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62.23 Index *
Vaughan's Seed Co.
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Vaughan's GARDENING ILLUSTRATED

4050 PETUNIA FLAME. PKT., 50c

77th Year 1953

CHICAGO 10 W. Randolph St. • NEW YORK 47 Barclay St.

Outstanding Modern Roses

Lowell Thomas, $2.00; 3 for $5.50.

Forty-Niner, $2.25; 3 for $6.25.

Kotherine T. Morsholl, $1.75; 3 for $5.00.

Nocturne, $2.00; 3 for $5.50.

Mirandy, $2.00; 3 for $5.50.

Chorlotte Armstrong, $2.00; 3 for $5.50.

Sub-Zero Rose Orange Ruffles, Each $2.00.

Sub-Zero Floribunda Rose Curly Pink. Each $1.85; 3 for $5.25.

ILLUSTRATED ON OPPOSITE PAGE

6 ROSES

All-America Winners

QUEEN O' THE LAKES

The Plants We Offer Are Not Southern Roses

They are No. 1 2-year budded plants, grown on the Pacific coast, the very finest plants obtainable. Each plant has three or more canes, 18 inches long or longer, proving their vigor. You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly.

These 6 All America Winners $10.75

Offer C-13—One each as listed below and illustrated on opposite page (value $12.00) for $10.75. (Postage additional for 6 lbs.)

CHARLOTTE ARMSTRONG. AARS 1941. (Pat. 455). An amazingly beautiful Rose with long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous. $2.00; 3 for $5.50.

FORTY-NINER. AARS 1949. (Pat. 792). A brilliant bicolor. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasing fragrance. $2.25; 3 for $6.25.

LOWELL THOMAS. AARS 1944. (Pat. 595). Large beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. $2.00; 3 for $5.50.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. Marvelous grower, $1.75; 3 for $5.

MIRANDY. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance. $2.00; 3 for $5.50.

NOCTURNE. AARS 1948. (Pat. 713). Perfect, long streamlined buds open to large, cupped blooms of cardinal-red with intriguing darker shadings of Chrysanthemum-crimson. Abundant, continuous bloomer. $2.00; 3 for $5.50.

NEW SUB-ZERO HYBRID TEA

ORANGE RUFFLES (Pat. App. For). One of the most beautiful Roses of all time. Unsurpassed in its brilliant charm. A gorgeous new color of orange never before found in Rosa. It is luminous like glowing sunshine in the rain. Large flowers mostly single on stems constantly in great abundance. As many as 50 petals gracefully warped, curled, frilled and ruffled, artfully shading from orange through to saffron yellow. Not subject to blackspot. Each $2.00.

We suggest you order early. Should we be sold out of a variety you order, we will send you another variety of the same color, and of equal or greater value, unless requested not to do so. See Pages 78-79 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill. or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses shipped C. O. D.)

3 Sub-Zero Floribunda Roses for $5.00.

Offer C-23 — One each as listed below (value $5.55) for $5.00. (Postage additional for 3 lbs.) Each $1.85; 3 of one kind $5.25.

CURLY PINK. (Pat. 842). You will love this rose for it is one of the finest of all pinks. We know of no other variety that can match it in the combination of size and form of bloom, beauty of cluster; constancy, vigor and foliage; hardiness, performance and also fragrance. When established, many large, very double, two-toned, rich rose-pink blossoms, of hybrid tea size, form a gorgeous bouquet on a single stem.

KING BOREAS. (Pat. App. For). The very double, fragrant lemon-yellow flowers, borne singly or in candelabra clusters, are abundant from June to November. Vigorous grower; beautiful glossy foliage.

LAFTER (Pat. 955). A consistently good rose producing loads of semi-double blooms, in clusters, of sparkling orange, coral, copper and yellow. Fragrant. Tall, vigorous grower. Resistant to blackspot.

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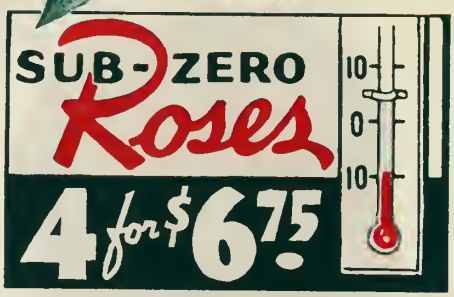


Everblooming Hybrid Tea Roses

One each Pink Princess, Queen O' The Lakes, Tip Toes and V for Victory. Offer C-33.

(Postage additional for 4 lbs.)

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters. Prices: $1.85 each; 3 of one kind $5.25.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation.

QUEEN O' THE LAKES. (Pat. App. For) This one is a dandy with blooms that are much like Crimson Glory, one of its parents. A free blooming crimson red rose named for the Queen of Minnesota's Aquatic Sports. No diving beauty could have more grace or elegance of form than this crimson queen of flowers. Fruity fragrance; shining healthy foliage.

TIP TOES (Pat. 849). A wonderful performer, on its toes, nearly always in bloom. Its large flowers have petals of a brilliant mixture of red, orange and pink tints, with enjoyable sweet spicelike fragrance. Very much liked. Tall, strong grower.

V FOR VICTORY (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are very double, are on long stiff stems and are excellent for cutting.

SIX HARDY GARDEN CHRYSANTHEMUMS $3.95

POSTPAID FOR

All six are our pick of new varieties which have proved their earliness, hardiness and decorative value for garden planting. We can recommend them for all these qualities, in addition to their beauty.

LUCKY 13. New golden yellow that is outstanding in blooming habits and hardiness.

FIRE ENGINE. Lustrous, dark cardinal red, single with bright orange reverse

HUNTSMAN. Bright scarlet. Rugged and vivid, 3″ flowers. Very hardy.

CECIL BEED. Splendid full double, deep lavender pink.

WHITE CLOUD. A very large, sturdy pure white.

LESHARD. A new dark red. Prolific bloomer.

Above varieties; 75c each; 3 for $2.00. .

COLLECTION No. 1A. 1 each of above six for $3.95.

LESHARD

RED CUSHION

Spoon Chrysanthemums

Four Plants for $2.35

Their name is derived from the character of their petals, which tend to form tubes, enlarged at the end to resemble a spoon.

CHARM. Opens salmon-red, and slowly fades to rich dusty rose.

IVORY. Dainty ivory-white, prolific bloomer.

YELLOW SPOON. Very fine, bright golden yellow tubes and spoons.

MAGENTA. Lively, magenta-rose, spoon type flowers in profusion. The peak of perfection.

Above varieties: 65c each; 3 for $1.75.

COLLECTION: No. 1B. 1 each of above four for $2.35.

Time Tried Varieties

Six Plants for $3.25

These are free-flowering varieties still outstanding in their color classes.

AVALANCHE. Early white, 4″ flowers.

BETTY. Splendid upright plant, double rose-pink flowers, no trace of magenta.

LAVENDER LADY. True lavender 3″ flowers on perfectly branching sprays.

MISS LACE. True light pink. 3″ blooms on strong stems.

RED VELVET. Velvety crimson.

SEPT. SUNSHINE. Brilliant yellow blooms from mid-September until frost.

Above varieties: 65c each; 3 for $1.75.

COLLECTION: No. 1G. 1 each of above six for $3.25.

Our chrysanthemum plants are grown in pots, in sphagnum moss, in which the roots develop. During shipment, the moss holds moisture so the plant does not dry out.

Five New Azalea-Like Mums

Compact, mound-like plants which blossom very early, and are covered with flowers for a long season. See illustration to the left.

Five New Ones, $2.95

BROWN CUSHION. A new cushion of merit. Color mahogany brown.

GOLDEN CARPET. Golden pompons on very low mound-like plant.

MARTIN'S WHITE. Huge pure white flowers on 18″ plant. Blooms Sept. 1st.

ORCHID HELEN. Orchid shade flowers, fully double. Early.

ROUGE CUSHION. A brilliant bright red. Very outstanding.

Above varieties: 70c each; 3 for $1.85.

COLLECTION: No. 1D. 1 each of above five for $2.95.

Five Favorites, $2.35

The hundreds of blooms on these low spreading plants make them the Mum favorites of flower lovers.

BRONZE, PINK, RED, WHITE, YELLOW

Above varieties: 60c each; 3 for $1.50.

COLLECTION: No. 1C. 1 each of above five for $2.35.

Surprise Collection of Unlabeled Root Divisions

Unlabeled root divisions, assorted colors and types; 10 for only $2.25; 25 for $4.00; 50 for $6.50, postpaid.

Famous Chicago Strain

Seven Plants for $4.50

Varieties bred for winter hardiness and early flowering by Dr. E. J. Kraus.

CHAS. NYE. Large, fully double, rich deep yellow flowers.

GLOWING COALS. Bright, deep cherry red with orange reverse. One of the best early reds. Plants are vigorous growers; produce a profusion of blooms.

KATHLEEN LEHMAN. Brightest orange-gold, deepening to red-gold at center. New.

MEDITATION. Magnificent, 3-inch fully double flowers of soft light jasper-red and maize-yellow with orange reverse. An outstanding new mum.

MAGNIFICENT. Glorious 4″ flowers of plum-red or rosy cardinal with coppery cast.

PAPER WHITE. Very pure white flowers on dwarf plants. Very early in the north.

PATRICIA LEHMAN. Sparkling geranium-pink with peach center, twisted petals.

Above varieties: 75c each; 3 for $1.95.

COLLECTION: No. 1F. 1 each of above seven for $4.50.

Hardy English Mums

Six of the Best for $3.95

While their flowers are as large as greenhouse chrysanthemums, these English varieties give a dazzling garden display before freezing.

ALABASTER. Early white large incurved flowers of good substance.

BRONZE EARLY BUTTERCUP. Rich deep bronze with golden reverse. Disbud.

COPPELIA. Ripe tomato color. Blooms late September. Double, free-flowering.

LEDA. Large heliotrope pink, rolled petals.

MRS. T. GUTHRIE. A very large, chestnut-red with bronze reverse, broad reflexing petals. Will make a 6″ bloom if disbudded.

YELLOW ALABASTER. Soft yellow on strong stems. A wonderful cut flower.

Above varieties: 75c each; 3 for $1.95.

COLLECTION: No. 1E. 1 each of above six for $3.95.

ALL PRICES PREPAID

YOU CAN GROW LARGEST DAHLIAS

$4.00 FOR 8 CHAMPION VARIETIES OF RAINBOW COLORS

MONARCH

One Each of the Following Varieties (VALUE $8.00)

VARIETIES listed below are all late introductions, sold not long ago for as much per tuber as we ask for this collection. From these tubers, flowers of the largest size can be grown, by following the culture and disbudding instructions which we send.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions having demonstrated their merit in the garden and on the exhibition tables. Besides large size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

BLUE RIVER. F.D. 10". Light Lavender with silver sheen. Each $1.00.

EL RUBIO. I.D. 10". Shaggy giant, rich ruby red, overlay of purple. Each $1.00.

FIGARO. S.C. 10". Golden yellow, flecked and penciled red, low bush. Each $1.00.

JOAN FERENZ. I.D. 11". Lemon yellow, lightly suffused rose red. Each $1.00.

MONARCH. I.D. 9". Bright red. Does not fade. Each $1.00.

OAKLEIGH CHAMPION. I.C. 9". Blend of pink, orange and yellow. Each $1.00.

PURITY. S.C. 8". New pure white. It is appropriately named "Purity". Each $1.00.

SHERWOOD PEACH. I.D. 11". Orange apricot of fine form and giant size. Each $1.00.

One each of the above 8 varieties – Price $4.00 postpaid. ($8.00 Value).

FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for $2.00; doz., $3.75.

No order accepted for less than 6.

DELIVERY FEB. 15th TO JUNE 1st.

The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.

100 STRAWBERRY PLANTS $3.25

Special Offer 181S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for $3.25.

Strong Field Grown Plants, Shipped from Early Spring up to May 15.

NEW SPARKLE STRAWBERRY. An excellent, new, experimental station-bred variety that lengthens the strawberry picking season for the home or market.

FAIRLAND. New introduction of the United States Department of Agriculture resistant to red stele disease. Early bearing, large, bright red firm berries of excellent flavor.

ROBINSON. The new super berry. Finest flavor. Large, glossy, firm red fruit.

PREMIER. Early. Berries are large, beautifully formed.

PRICE, on the above 4 varieties, 25 for $1.70; 50 for $2.50; 100 for $3.70; 250 for $7.75; 500 for $11.75, postpaid.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere, Price, 25 for $1.25; 50 for $1.90; 100 for $2.85; 250 for $6.50; 500 for $10.00, postpaid.

Everbearing Strawberries

MASTODON. Most widely planted everbearer. Price, 25 for $2.00; 50 for $3.60; 100 for $6.00; 250 for $11.00; 500 for $18.50, postpaid.

NEW SUPERFECTION. Is one of the newest and best everbearing strawberries resulting from modern plant breeding, bears heavily in June until frost. Large bright red berries with an extra delicious flavor.

MINNESOTA 1166. Easy to grow in any garden. If you plant Minnesota 1166 this spring you can enjoy fresh Strawberries from your own garden this summer. They are delicious, healthful and economical—summertime's most delicious fruit. Plants are in big demand because of its outstanding performance, so order yours early.

PRICE, on foregoing 2 varieties, 25 for $2.25; 50 for $4.00; 100 for $6.50; 250 for $14.00; 500 for $20.00, postpaid.

NOW! Treated with Fungicide to Improve Sprouting and Growth in Adverse Weather

Merion Blue Grass lawn planted by Vaughan's Seed Co. in front yard of House & Garden's House of Ideas, on Hackberry Lane, Winnetka, Ill.

Vaughan's

PARKS LAWN SEED

1 lb. $ 1.30	2 lbs. $ 2.60	3 lbs. $ 3.85
5 lbs. 6.35	10 lbs. 12.50	15 lbs. 18.65
20 lbs. 24.75	25 lbs. 30.75	100 lbs. 119.00

PREPAID ANYWHERE IN U. S. A.

Order Now, Merion Blue Grass for August Delivery

Because of the great demand last fall for Vaughan's Merion Blue Grass and Merion Blue Grass Formula, our stocks are so depleted we cannot offer this seed for spring delivery.

We will book orders for August, 1953 delivery, only. Do not send money, but place your order and we will bill you just prior to shipment. While we have increased acreage as fast as possible, demand has increased faster than production.

MERION BLUE GRASS FORMULAS 100% PERENNIAL GRASSES

Contains by weight:

40% Merion Blue Gross — 40% Illohee Fescue — 10% Highlond Bent — 10% Red Top

Due to smoll seed this gives over 900,000 seeds of Merion in one pound of formulo.

1 lb. $3.00; 3 lbs. $9.00; 5 lbs. $14.75; 10 lbs. $29.00.

Produces thicker turf, stays greener all summer and stands closest mowing. 1 pound covers 750 sq.ft., 3 times as much as standard blue grass, costing no more to sow an equal area.

40% **MERION BLUE GRASS,** propagated from a single plant selection, which has demonstrated in trials throughout the country ability to stay green all summer, stand close mowing, and resist leaf spot and other diseases. Because its growth is more stocky and spreading, it covers more ground, and less seed is required for a given area.

40% **ILLAHEE FESCUE OR PENN STATE CHEWINGS FESCUE,** both improved strains of Fescue and, tested for their ability to stand close mowing. They spread by root runners, and match the texture of Merion blue grass.

10% **HIGHLAND BENT,** dry land bent, drought and disease resistant and not requiring the care of creeping bent, it spreads underground and makes a thick turf, spreading quickly to cover bare spots. Its dark green color persists through summer drought and heat.

10% **RED TOP,** a nurse grass to control weeds until Merion Blue Grass takes over.

MERION BLUE GRASS

For those desiring straight Merion Blue Grass we can offer for August delivery up to a maximum of 10 lbs. per customer due to the limited quantity. One lb. will sow 750 sq. ft. 1 lb. $4.90 per lb.; 3 lbs., $14.70; 5 lbs., $24.25; 10 lbs. $48.00, all postpaid.

Severe damage to lawns last fall was caused by the prolonged drouth in September and October, especially in the midwest. Extensive reseeding will be necessary this spring. Whether to repair an established lawn, or to seed a new one, the most favorable time is in the early spring, when the frost is coming out of the ground.

VAUGHAN'S "PARKS" MIXTURE

Whenever a lawn is desired which combines the maximum of beauty and economy with a minimum of care, we recommend this mixture. Its basis is the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf. White clover is not included in this mixture, but it can be ordered separately. In one pound of Vaughan's "Parks" Lawn Seed there are 3,682,560 seeds.

VAUGHAN'S "COLUMBIAN"

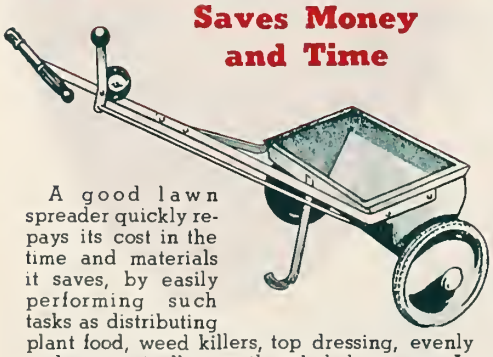
When making a lawn on sandy soil or in moderate shade, Vaughan's "Columbian" is the correct blend. 1 lb., $1.25; 2 lbs., $2.50; 3 lbs., 3.70; 5 lbs., $6-10; 10 lbs., $12.00; 15 lbs., $17.90; 20 lbs., $23.75; 25 lbs., $29.50; 100 lbs., $114.00. Prepaid in U. S. A.

NEW ZEALAND WILD WHITE CLOVER

Price ½ lb., $1.10; 1 lb., $2.00; 3 lbs., $5.85; 5 lbs., $9.50; 10 lbs., $18.00; 25 lbs., $43.75.

FOR OTHER LAWN MIXTURES, GRASSES AND FARM SEEDS, SEE PAGE 94

Precision Lawn Spreader Saves Money and Time



A good lawn spreader quickly repays its cost in the time and materials it saves, by easily performing such tasks as distributing plant food, weed killers, top dressing, evenly and economically over the whole lawn area. In sowing grass seed with precision it can make one pound do the work of two or three times as much when sown by hand. For precise control and lasting service the Master spreader is unsurpassed.

No. S513, No. 25-D, with rubber tires and tubular handle with rubber grip, each $10.25.

No. S509, No. 30, 50 lb. capacity, with rubber tires and rubber grip handles, price, each, $12.95.

No. S511, No. M3615, 36 inch, with steel wheels, price, $47.25.

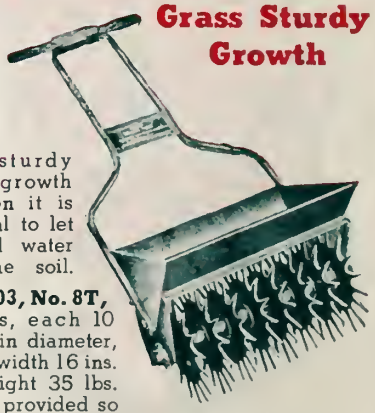
No. S505, No. 361D, 36 inch, with rubber tire wheels, price, $53.25.

No. 506, No. M-361S.D. 36 inch, stainless steel agitator and bottom with semi pneumatic tires, each, $63.95.

Grass Clipper That's Kind To Your Hand

No. S1115 ROWE'L-EZY. Instead of shears to clip the grass near walks, beds, borders and other edges which lawn mowers cannot reach, Rowe'l-Ezy (roll easy) will do it faster and better. One turn of the rubber tired driving wheel is equal to 16 snips with the shears in your weary hand. It works forward and backward on your left or right, and where lawn is above or below a walk. It will save you hours of the most tedious lawn task. Each, $4.95.

Lawn Cultivator Gives Grass Sturdy Growth



For sturdy grass growth aeration it is essential to let air and water into the soil.

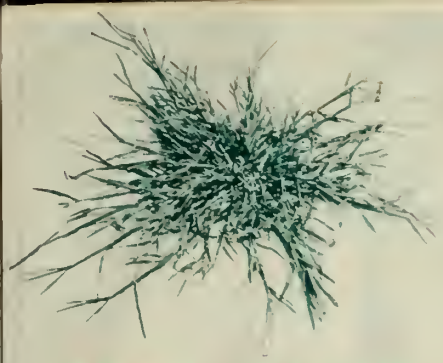
No. S503, No. 8T, 8 discs, each 10 inches in diameter, rolling width 16 ins. Net weight 35 lbs. Tray is provided so weight may be added. Each $17.00.

No. S504, No. 30, 19 discs, each 10 inches in diameter, rolling width 18 inches. Net weight 80 lbs. Each, $45.50.

Hitch for attaching to most power mowers $4.90 extra.

Cannot be sent by parcel post.

New Lawn AND Garden Aids



Kill That Crab Grass!

Last year's crop of crab grass was probably a record breaker. An enormous quantity of seed was matured and much will somehow find its way to lawns. Experienced gardeners know that this No. 1 enemy of American lawns cannot be entirely crowded out by better grasses. You must kill it!

Another year's experience has piled up more evidence that Potassium Cyanate is the most reliable killer. It destroys crab grass and chick weed at any stage of growth, even when seeding. It is non-poisonous to you, your children and pets, and is easily controlled, so border plants are not injured by it. It can be applied with a sprinkling can, a sprayer, or in dry form with a spreader.

FOR SPRINKLING OR SPRAYING

Crab-Not, Formulation of Potassium Cyanate

No. S149. 4 oz., to cover 600 sq. ft. $1.00 postpaid; 16 oz., to cover 2,400 sq. ft. $2.95, postpaid; $3.10; 6 lbs., to cover 14,000 sq. ft. $10.95 by express, collect.

Special Crab-Not, Includes 2,4-D

No. S148. 4 oz., to cover 600 sq. ft. $1.25 postpaid; 16 oz., to cover 2,400 sq. ft. $3.50, postpaid, $3.65; 6 lbs., to cover 14,000 sq. ft. $12.50 by express, collect.

FOR APPLYING WITH SPREADER

No. S433. Dry Crabgraxx. To permit the application of potassium cyanate and 2, 4D in dry form both are mixed with a wetting and spreading agent. The mixture contains organic plant food which feeds the grass over a long period. Apply by hand or with a spreader 2 lbs. per 100 sq. ft. This kills all the broad-leaved weeds as well as crab grass and chickweed. Apply on wet grass for best results. It is effective against mature crab grass at the seeding stage, as well as against seedlings in early summer. 25 lbs., to cover 1,250 sq. ft., $5.45; 80 lbs., to cover 4,000 sq. ft., $13.95. Shipped by express, charges collect.

SEL-TOX

No. S455. To kill crab grass seedlings when they first develop in late May and early June, Sel-Tox, a formulation of mercury acetate (PMAS); does a superior job. See Page 86.

Kill Weeds, Feed Lawn In One Application

No. S421. No-Weed Turfood. 6-10-4. This is a mixture of organic plant food with weed killers including 2, 4D, which resulted from experiments conducted at the Pennsylvania Experiment Station. It can be applied with a fertilizer spreader at 1½ to 2 lbs. per 100 square feet and will kill broad leaved weeds, at the same time feeding the lawn. An application in spring and fall has proved in two years' tests to produce a thick, beautiful turf with less than 2% weeds. Do not use on lawns less than a year old, or on close mown creeping bent in summer. Price per 7½ lb. pkg., $1.10; postpaid $1.60 within 500 miles; 25 lb., bag $2.95; 80 lb. bag $7.25, by freight or express charges collect.

Do Liquid Plant Foods Work Miracles?

No. S420. Fertil-flo. Fantastic claims of the radio "pitch-men" about magic or miracle-working soluble plant foods, may have turned you against them. But there is solid merit in the bona-fide discoveries which scientists have made about the quick action of plant foods in solution both on roots, and leaves, which latter is termed "foliar nutrition."

Don't think about soluble plant foods on a spoonful basis. Think of them for your lawn and garden. Pound for pound they will cost you more than dry plant food, but you spread them in your hose water, and save work; they are absorbed by the leaves as well as the roots of plants, and scientists have found that a higher percentage is used by the plants, which makes the liquid plant food go much further, as well as acting quicker.

They will not work miracles, and contain no newly discovered elements of magic value, but will do a job for home gardeners extremely difficult to equal with dry plant food applications, especially on growing lawns and gardens. Buy them with your eyes open, and pay only for what you get as shown by the analysis. On this basis we recommend as a best buy, Fertil-flo.

This has the highest percentage of food elements, 100% soluble, which we could find. Seventy-nine percent of its volume consists of Nitrogen, 10%; Phosphoric Acid, 52%; water soluble potash, 17%. When dissolved, no residue remains.

This mixture has been widely tested as a starter solution with remarkable results. If complete instructions which come with every package are observed, it can be applied without danger of burning to growing lawns and gardens to produce immediate effect, in cold spring or hot summer. During drouths it will reduce the need for irrigation.

For lawns and gardens, spread 1 lb., dissolved as instructed, over 400 square feet. Fertil-flo, 3 oz., 35c; postpaid 45c; 1 lb., $1.00, postpaid $1.20; 15 lbs., $9, postpaid $9.90.

Feeds Plants Through Hose Water

No. S915 HOZON. Simplest, most practical and widely useful gadget to mix plant food and some insecticides and fungicides with the hose water is Hozon. This siphoning device draws from an open bucket or tub water in which the soluble plant food has been mixed. Insoluble residue remains in the bucket, without rising to clog or corrode the siphon. The liquid from the bucket is mixed with hose water in the ratio of 12 to 1, when pressure is 25 lbs. One gallon of solution is drawn from the pail in about 5 minutes, and distributed over the lawn or garden diluted with water 12 to 18 times its volume, depending upon the pressure. Hozon siphon is brass, with stainless steel check valve, rubber suction tube and stainless steel strainer to prevent clogging. Each, $2.25, postpaid, $2.35.

New Chemical Saves Work of Mowing Lawn Edges

No. S416. Stop-Grass. Grass on the edges of your lawn, where it is difficult to mow, can be kept low for from 4 to 5 months by a plant growth inhibitor, Maleic Hydrazide, in this compound. You have probably read about this chemical and hoped it would make lawn mowing obsolete. But scientists do not yet recommend its use except in a limited way. Spray on strips not more than 12 inches wide on grass close to fences, buildings, etc. In tests, one spray in early spring kept grass low until September. Observe directions exactly. 1½ oz. to treat 400 sq. ft. $1.00; postpaid $1.15; 4 oz., to treat 1100 sq. ft. $2.25; postpaid $2.40; 1 lb., to treat 4,400 sq. ft., $6.00; postpaid $6.20.

Plastic Hose Soaks Soil or Sprinkles Lawn

No. S976. Soaker-Spray. This is a 20 ft. hose of vinyl-resin plastic spirally perforated with tiny holes to allow seepage of water, or under higher pressure to serve as a sprinkler. It is an irrigation tool of remarkable versatility, with which every drop of water can be applied effectively to the exact location where it is needed. It will not mildew, rot, or suffer from direct sun, but can be left permanently where used. One end is fitted with a standard hose coupling, the other is sealed. Increased pressure changes the discharge from slow seepage to a fine spray. 20 ft. length, $2.75; prepaid $2.95; 35 ft. length, $3.98; prepaid $4.25.

A Drink Of This Makes Plants Kill Insects

No. S227. Insects which prey on plants can be killed by applying insecticide to the soil. Most successful example is found in sodium selenate, which florists have used for several years, on greenhouse flowers. Tiny insects which infest African violets and other house plants disappear when it is applied to the soil in which they grow. Sodium selenate is a poison, and should be used with caution. Do not apply it to food plants of any kind. To insure safety when used with house plants we offer it in capsules, each containing a safe but effective dose for an average pot.

KAPSULATES. Box of 12 capsules, 60c, postpaid. Box of 24 capsules, $1.10, postpaid.

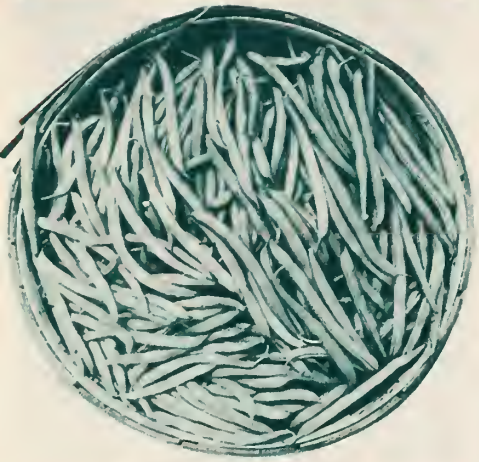
Hidden Rope Keeps Animals Away

No. S290 VAUGHAN'S ANIMAL REPELLANT ROPE. Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in foliage. All animals hate this odor. 100 ft., in can, $1.50, prepaid.

Newer Vegetables

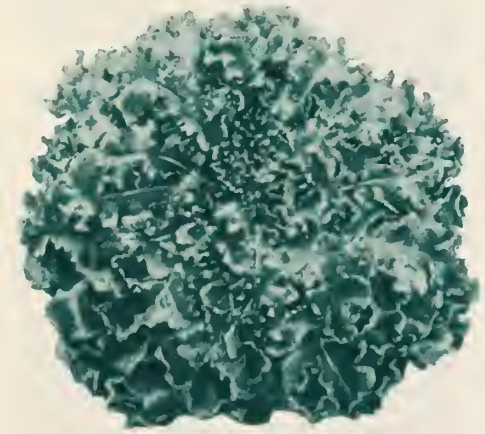
SPECIAL OFFER No. 1

One pkt. each of the following six varieties listed on this page ($1.60 value) prepaid, $1. This includes Greenpod Bush Bean Wade; Lettuce Salad Bowl, Sweet Corn Hybrid Golden Harvest Cucumber The Vaughan Hybrid; Wando Pea, and Vaughan's Early Hybrid Tomato.



New Gold Medal Bean Sets Quality Record

B-1 Greenpod Bush Bean Wade. 55 days. Though we had great new beans in Top Crop and Contender, judges in the All America trials found this variety to be still greater, and awarded it the Gold Medal for 1952. Its name honors its breeder, the late Dr. B. L. Wade, whose sudden death was a great loss to horticulture. A round pod, deep green, 5½ to 6 inches long, slender and straight, combines top table quality with heavy yield. It grows tall, and holds its pods well off the ground. It is resistant to mosaic and powdery mildew, which so often cut short the bearing season of other varieties. For canning, freezing, or immediate use, it is unsurpassed. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45.



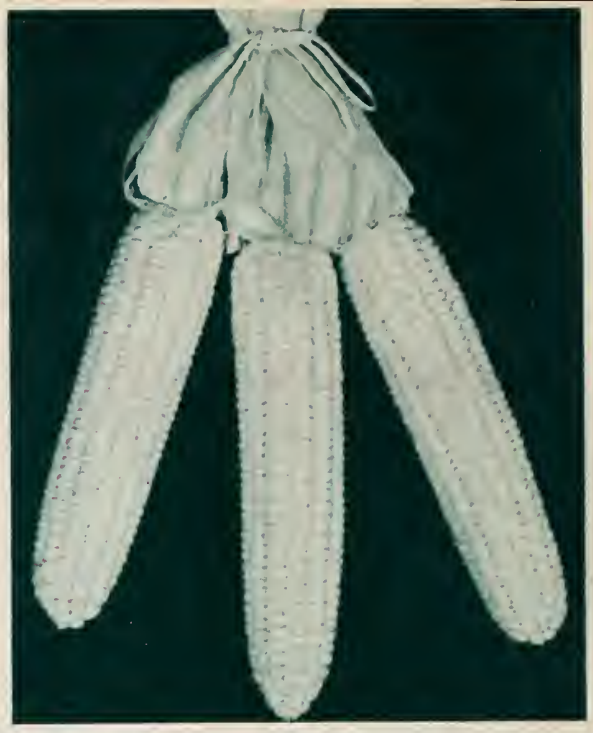
L-34 LEAF LETTUCE SALAD BOWL. Pkt., 25c.

New Sweet Corn, Better Than Golden Cross

C-118 Sweetcorn Golden Harvest. 82 days. Dr. Glenn Smith of Purdue University, originator of Golden Cross, bred this variety, which is a heavier producer, has fewer suckers, and a white silk. It is equal in flavor and matures in the same time. It bears 8 in. ears with 12-14 rows of kernels, on plants 6½ feet tall. Pkt., 25c; ½ lb. 60c; lb. $1.10; 2 lbs., $2.10.

Slenderest Cucumber Gives Long Yield

C-174 The Vaughan Hybrid Cucumber. 65 days. Here is the ideal cucumber in appearance—long, dark green, and slender. When you add F-1 hybrid vigor and resistance to the mosaic disease, which cuts short the life of so many varieties, you insure a big harvest spread over a long season, just what the home gardener requires. It is the best of all the hybrids in our opinion, and especially fitted for climbing a fence or trellis in the small garden, where it gives a maximum yield for the space occupied. Pkt., 25c; ½ oz., $2.75: oz., $5.00.



C-118 SWEET CORN GOLDEN HARVEST. Pkt., 25c.

C-174 THE VAUGHAN HYBRID CUCUMBER. Pkt., 25c.

Leaf Lettuce Salad Bowl Gives Longer Harvest

L-34 Leaf Lettuce Salad Bowl. 45 days. All America Gold Medal, 1952. For tossed salad, leaf lettuce is indispensable. Its tender, crisp leaves "take the dressing" and blend perfectly in flavor with more pungent ingredients. This new variety bred by Dr. Ross C. Thompson, U.S.D.A., produces a bushy plant which fills a salad bowl with a perfect rosette of rich green leaves. It is as early as Oak leaf, stands the sun better, grows faster though slower to bolt and is of top table quality. A honey for home gardens. Pkt., 25c; ½ oz., 55c; oz., $1.00.

Harvest Peas Through July and August

P-17 Wando Pea. 64 days. Where spring is short and summer hot, peas have so brief a season the harvest is counted by days. But here is a wrinkled pea, of excellent quality, which thrives and bears through the hottest summer months. You can plant them late in June for a harvest in September. Sow every three weeks for a supply all summer. Excellent for freezing, also. Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35.

Grow This for Lots of Earliest Tomatoes

T-44 Vaughan's Early Hybrid Tomato. 68 days. In competitive trials conducted last summer by an Eastern College, this won the race for early fruit. No other variety produced so high a total yield before Aug. 10. To the amateur this means ripe tomatoes from his own garden weeks earlier, something every gardener wants. The bright red fruits are smooth and round, medium to large in size, firm and non-acid in flavor. Good reports come from all parts of the country. Pkt., 35c.

B-11 POLE BEAN BLUE COCO. Pkt., 25c.

Blue Beans for Gourmets

B-11 Pole Bean Blue Coco. 65 days. Would you believe that this bean, with blue-purple pods of the irregular shape pictured, is the best flavored bean in the world? Many gourmets think it is, though it would not get a second glance from a chain store buyer or garden show judge. It is an old French pole bean, revived by the late Eleanor Rohde of England, who said nothing new by scientific breeders had ever equaled it. Pods that grow 9 inches long, on vines 15 feet tall, should be picked when 6 inches long for top quality. They are decorative as well as delicious. Vines are resistant to bean diseases and thrive in dry weather. The pods turn green. when cooked. Pkt., 25c; ½ lb., 65c; lb., $1.15.

R-9 RADISH CHERRY BELLE. Pkt., 25c.

Warm Weather Globe Radish

R-9 Radish Cherry Belle. 25 days. In spite of its fast growing earliness, this new variety from Holland is slow to turn pithy the way other earlies do. Actually it reaches its best quality when the soil begins to warm up, so you can harvest several crops before hot weather. Round as a cherry and just as red, it has short tops and thrives in any garden soil. It won an All America bronze medal. Pkt., 25c; oz., 35c; ¼ lb., $1.00; ½ lb., $1.75.

Newest Carrot is Longer and More Slender

C53. Gold Spike. 77 days. For the home gardener, long, slender carrots have merit in several particulars. They can be grown closer together, obviously, which increases the total yield in limited space. Table quality is higher in a slender root, as the sweet, tender outer layer of flesh is just as deep as on the thicker roots, and the core is relatively smaller. Breeders have been trying for a long time to produce longer, more slender carrots and this is their best accomplishment so far. This variety lends itself well to the home gardener's practice of thinning out carrots for the first time when they are as thick as your finger, and the thinnings, make one of the most delicious dishes of the garden year. Pkt. 25c; ½ oz., 50c; oz., 85c; ¼ lb., $1.75.

For Beets of Golf Ball Size

B-78 Beet Fireball. 55 Days. The experts say beets grown to golf ball size are best for cooking fresh or canning; and market gardeners are growing them closer together to keep them small. Fireball helps this programme by staying small longer and holding quality much better than bigger kinds. It has short tops and spherical roots of unmatched dark red color, which is appetizing no matter how they are served. Pkt. 25c.

New Pepper Resists Disease Spread by Smokers

P-73. Pepper Yolo Wonder. 75 days. Tobacco mosaic is also a disease of tomatoes, peppers and egg plant, all cousins of tobacco. Smokers help spread it, as do many insects, making it prevalent almost everywhere. An Italian pepper, Elephant Trunk, is resistant to it, and was crossed with California Wonder to produce this new variety which has California Wonder's shape but resists the disease. Pkt., 35c; ½ oz., $1.00; oz., $1.85.

P-73 PEPPER YOLO WONDER. Pkt., 35c.

C-53 GOLD SPIKE CARROT. Pkt., 25c.

B-78 BEET FIREBALL. Pkt., 25c

Biggest Tomato is Best in Flavor, Everybody Says

T19 Tomato Giant Tree. (Italian Potato Leaved.) 90 days. Seldom does the largest variety of any vegetable, at the same time possess the highest table quality. But customers who write us agree that Giant Tree is the best flavored tomato they ever tasted.

Mrs. John C. Deagan, Riverside Cal., writes: "I grew some of your Giant Tree Tomatoes and I must say I have never before had such wonderful tomatoes. They were the largest and best tasting I have ever seen. I supplied all my neighbors with them. So I am ordering some more seed."

Just to prove it wasn't the California climate, read this from Mrs. G. P. Thompson, Lincoln, Neb.: "We grew Giant Tree tomatoes last year and they were truly marvelous in size and flavor. We refused to eat other sliced tomatoes. These were so mild and one would make a meal for 3 or 4 persons."

Texas joins the chorus in a letter from Mrs. Grace Buchanan of Austin. "Giant Tree tomatoes furnished my neighbor and myself lots of fun this summer," she writes. "We used a compost bed and some of the plants grew to 7 feet in height. Our two largest tomatoes weighed 1 lb. 2 oz., and 14 oz., a total of 2 pounds."

Pretty good of course, but right here in Chicago a large daily newspaper reporting from its experimental farm said: "Of all the tomatoes grown, Giant Tree are, of course, the most spectacular because of their size. Recently the gardener discovered a cluster of three of these huge tomatoes that weighed more than 5 lbs."

Which all suggests that if you haven't grown this tomato, you really should try it. There are few rewards more satisfying for the amateur, than to produce tomatoes which are at once the largest, smoothest and of best table quality. The huge, pink fruits have few seeds. They are full of tender, delicious flesh of mild, non-acid flavor. You will eventually grow this variety. Why not be ahead of your neighbors? Pkt., 50c.

Hybrid Sweet Spanish Onions Grow Big Quickly

O-37 Hybrid Sweet Spanish Onion Plants. Years of successful effort by state and government plant breeders have developed F1 hybrid onions to the point where we can offer green plants of Hybrid Sweet Spanish onion for home garden use. The huge bulb shown in the illustration was grown in ordinary garden soil near Chicago, Ill. It weighed more than two pounds and matured two weeks earlier than the standard Sweet Spanish. It will not be long before hybrid onions are another common hybrid vegetable. Plants will be shipped April 15 and after, prepaid for 65c per bunch, sufficient to plant 30 feet of row.

O-37 VAUGHAN'S HYBRID SWEET SPANISH ONION. Plants, 65c Per Bunch. Ten bunches for $5.00.

College Bred Popcorn Pops Off Its Hull

C-135 Illinois Hulless Popcorn. 100 days. Is it possible to improve popcorn? The right answer is: Yes, by removing the hull. Dr. B. L. Weaver of the University of Illinois proved this when by the magic of plant breeding he made the improvement. When this variety pops, off goes the hull and a huge, pure white, tender and delicious confection remains, over thirty-five times as large as the kernel.

Specify in your order, if you want seed processed for popping.

Seed processed for sowing. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., $1.65.

Kernels processed for popping. ½ lb., 40c; lb., 65c; 2 lbs., $1.15; 5 lbs., $2.85.

P-24 MURFF BUSH SWEET POTATOES.

Hybrid Sweet Corn Team

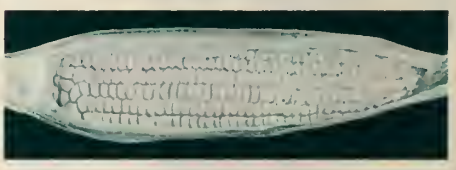
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling ½ pound..... 50¢

Annual tests are made in our trial grounds of both new and old hybrid varieties. On the basis of these tests the four varieties below were chosen as the best available in 1951 to give the longest harvest season coupled with highest quality and best yield.

C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease. Pkt., 20c; ½ lb., 50c; lb., 90c; 2 lbs., $1.70.

C-119 Our Choice. 68 days. One of the earliest hybrids, we recommend it because of its super-sweet and tender kernels, borne on a large 12-rowed ear. Pkt.; 15c; ½ lb., 45c; lb., 85; 2 lbs., $1.60.

C-130 Early Southern Cross. 75 days. A new good, second early. The cylindrical ears are long and sweet. Pkt., 15c; ½ lb., 45c; lb., 85; 2 lbs., $1.60.



C-109 Improved Golden Label. 83 days. Grow for last crop, excellent for freezing and canning. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60.

Bush Sweet Potatoes For Small Gardens

P-24 Murff Bush Sweet Potatoes. You can now grow your own sweet potatoes, if you have room for a row of bushy plants each spreading 3 feet in diameter, 18 inches tall. You can buy potatoes to plant, or green plants already started.

Murff Bush Sweet Potatoes, 10 lbs., $2.00; 25 lbs., and over, 18 cents per pound. Shipped by Express, charges collect.

Murff Bush Sweet Potato Plants, 50 plants $1.00; 100, $1.85; 200, $3.40; 500, $6.00; 1,000, $10.00. These prices all prepaid, shipment by parcel post. One thousand plants and over shipped by express charges collect. $9.00 per thousand.

New Flowers and Specialties

Floral Carpet of Blue-violet

265 ALYSSUM ROYAL CARPET. 4 in. All America Silver Medal, 1953. By some magic of plant breeding, Alyssum Violet Queen, with its myriad tiny flowers of unfading blue-violet, was induced to change its upright habit of growth and become a spreading carpet-like ground cover, the perfect companion for its white counterpart, Vaughan's Little Gem Alyssum (Carpet of Snow.) There is a place in every garden for so rich a carpet, which enhances the beauty of flowers of every color growing near it. Plants spread over a 10-inch circle, begin flowering when weeks old and continue until freezing, always uniform in color and habit. Pkt., 25c.

265 **ALYSSUM ROYAL CARPET.** Pkt., **25c.**

4010 PETUNIA LINDA. (F-1. IMPROVED SILVER MEDAL.) 15 in. This new version has a more intense salmon pink coloring, in its 3-inch flowers. All the magic vigor of the F-1 hybrids is retained, to produce a compact plant with strong stems, which resist the wind and always present a trim appearance. The flowers are produced in amazing abundance throughout the summer. Pkt. 50c.

4012 PETUNIA ROSE CHARM F-1 HYBRID. 12-16 in. Single flowers of clear deep rose produced in the abundance that characterizes hybrid vigor cover the compact bush produced by this plant, which spreads laterally, often covering a 3-foot circle. Pkt., 35c

4010 **PETUNIA LINDA.** Improved Silver Medal Pkt., **50c.**

Fiery Red Petunia F1 Hybrid

4014 COMANCHE. (F-1) 15 in. All America Bronze Medal, 1953. The glowing red of Fire Chief, Gold Medal winner in 1950, is combined in Comanche with the extra vigor of F1 hybrids, to produce a compact plant which never straggles, and is covered with bloom all summer. Flowers are 2½ inches across. Pkt., 50c.

Petunia Flame

Illustrated on Front Cover

4050 PETUNIA FLAME. 18 in. A new variety of the Giant Single Fringed class, in which are found the largest and most beautiful blossoms of this flower, its chief merit is the warm coloring, rare among petunias. While most pink and red petunias are really tones of rose, Flame is a true scarlet, the first petunia of its class to achieve this much desired hue. Pkt., 50c.

Species Delphinium, Sapphire Blue

7538 DELPHINIUM SAPPHIRE. 3 ft. An improved variety of the species delphinium formosum noted for hardiness, long life and its deep blue color. Somewhat paler than the original, with a tiny golden pollen accent, its blue has a special luminous jewel-like quality, in the sunlight. Pkt., 50c.

689 **ASTERS** Super Giant Wilt Resistant Mixed. Pkt., **25c.**

887 **ASTER** Giant California Sunshine Mixed. Pkt., **25c.**

Largest of all Asters Now Wilt Resistant

ASTER SUPER GIANT WILT RESISTANT. The largest flowered Aster of all has now been bred to be wilt resistant, which it formerly was not. It is spectacular in the garden and valuable as a cut-flower because of its long, wiry, non-branching stem and huge ostrich feather flowers. Blooms late summer to frost. 3 ft.

680 BEVERLY HILLS. Azure blue.
681 EL MONTE. Crimson.
682 HOLLYWOOD. Pure paper white.
683 PASADENA. Peachblossom.
684 SANTA BARBARA. Dark Purple.
685 LOS ANGELES. Shell pink.
Each of the above, pkt., 35e
689 MIXED. A full range of color including the above and others yet to be released. Pkt., 25c.

Pure Gold Celosia

1451 GOLDEN FLEECE. A pure gold with tremendous plumes for garden and cutting. Easily grown, thrives in all locations and does exceptionally well in hot summers. Pkt., 25c.

Sunshine Asters

887 ASTER GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September ⅛ oz., 75e; pkt., 25e.

Chinese Larkspur

Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 CHINESE BLUE. 2–3 ft. Pure blue. Pkt., 10c.
7523 CHINESE BLUE MIRROR. One of the few true navy blue flowers. Pkt., 35c.
7525 —ALBUM. 2–3 ft. Pure white. Pkt., 10e.
7522 —CAMBRIDGE BLUE. 2 to 3 ft. A good light blue Pkt., 25c.
7530 —MIXED. Pkt., 10c.

1803 **CLEOME.** Pink Queen. Pkt., **25c.**

Pink "Spider-Plant"

Culture: D or E, Page 50

1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

1804 CLEOME HELEN CAMPBELL. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flowerheads. 4 ft. Pkt., 25c.

7522 **DELPHINIUM** Chinese Combridge Blue. Pkt., **25c.**
7523 Chinese Blue Mirror. Pkt., **35c.**

Sky Blue Star Flower

4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM). Star-shaped flowers measuring 1 in. across, are borne in long loose sprays. The stems arch so that the lovely blue blossoms, veined or pencilled with silver, face upward. A valuable addition to the all too short list of blue annuals. Sown in early April, it flowers in June and continues blooming until cut down by frost. Pkt., 25c.

Left to right: BLACK KNIGHT, GUINEVERE, GALAHAD, SUMMER SKIES, KING ARTHUR. 7566 MIXTURE of these five varieties, Pkt. 50c.

Pacific Hybrid Delphiniums

Culture: B, D or E, Page 50

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65% mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giant hybrids we offer others which in our opinion are the best available in the world.

This strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter.** Seeds germinate in 20 days

7559B BLUE BIRD. A clear medium blue with white bee with high tall spikes.

7563 BLACK KNIGHT. Large flowers of varying dark violet shade.

7559A BLUE JAY. From medium to dark blue with dark bee.

7563A CAMELIARD SERIES. This is a pure lavender self with white bee.

7560 GALAHAD. Clear white, highly mildew resistant

7561 KING ARTHUR. Royal violet, large white bee

7565 PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit

7561A GUINEVERE. Light pink lavender with white bee.

7562 SUMMER SKIES. Light blue with white bee

Each of above, pkt., 50c; 2 pkts. for 90c.

7558A MIXED HYBRIDS. A mixture containing dark blue shades, light blue shades, lavender pastels and white in a well-balanced blend. Pkt., 35c.

Round Table Series

7559 Round Table Series As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., 50c; 2 pkts. for 90c.

Other Hybrids

7550 BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c.

7552 BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c.

7564 BLACKMORE AND LANGDON STRAIN. A famous English strain. All the clear shades of blue, with bees of contrasting color. Pkt., 35c.

7547 CARDINALE. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers; seed germinates slowly. 2–3 ft. Pkt., 25c.

See perennial pages.

7535 DELPHINIUM Astolat. Pkt., $1.00.

2112 ANGEL'S TRUMPET Pkt., 35c.

Triple Angel's Trumpet

2112 ANGEL'S TRUMPET IVORY KING (DATURA). "Crown-in-crown" flowers of that enchanting rich golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c.

New White Lace Flower

2310 LACE VEIL. Identical in all respects to the well-known Lavender Lace Flower except for the pure white flower. A fine cutflower. Pkt., 25c.

New Pink Delphinium

7535 DELPHINIUM ASTOLAT. For several years Frank Reinelt, originator of Pacific Hybrid Delphiniums, has been working to create pink delphiniums, equaling in size and beauty of flowers his famous white and blue varieties. Success has rewarded his efforts in this new strain, with flowers in varying tints of blush pink, true pink and mulberry pink, all with dark bees. They grow tall, with strong, whippy stems, with florets as large and spikes which compare favorably with those of the other Pacific Giants. All the various pink tones are lovely to see. The outstanding perennial novelty of the year. Pkt., $1.00.

New Dwarf and Giant Marigolds

Culture: A, B, D or E, Page 50

2247 **DIANTHUS BRILLIANT.** Pkt., **25c.**

3136 **MARIGOLD.** Fluffy Ruffles. Pkt., **35c.**

Rich Color Patterns in Pinks

2247 DIANTHUS BRILLIANT. 18 in. This large flowered strain of free flowering pinks is a companion to the famous Gaiety, but with plain-edged instead of fringed flowers. It has even richer color patterns in crimson, cerise, pink, white and red, and each flower has a contrasting "pheasant's eye." It grows with the same vigor as Gaiety, in low bushes, with blooms at the end of every stem, and flowers all summer if faded flowers are removed. A brilliant garden subject, and lovely cut flower. Pkt., 25c.

New "Baby Snaps"

3035 LINARIA NORTHERN LIGHTS. Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect, easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c.

Large Flowers in New Forms and Colors

3136 FLUFFY RUFFLES. Giant flowers of bright medium orange, with intensely ruffled florets. Very early to flower. Plants are semi-tall, 20 inches in height, with full length base-branching stems. Pkt., 35c.

3137 GLITTERS. All America Bronze Medal 1951. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, 2½ ft. tall, with long cutting stems. Foliage dark green, rich back-ground for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Earlier and dwarfer than Mammoth Mum; larger flowered and lighter colored but with habit of Golden Bedder. Pkt., 25c.

3137 **MARIGOLD GLITTERS.** Pkt., **25c.**

3167 **MARIGOLD RUSTY RED.** Pkt., **25c.**

3167 RUSTY RED. Large fully double flowers, 2 inches and more across, of a rich rusty red, delicately edged golden yellow. The freely produced flowers are borne well above the dwarf bushy plants from early in summer until late into the fall. 1½ ft. tall. Unlike most doubles, which are extremely regular in form, Rusty Red blossoms have an irregular outline, which adds greatly to their charm, not only in the garden display, but also when they are used as cut flowers. Pkt., 25c.

3135 **MARIGOLD COLOR MAGIC.** Pkt., **25c.**

3157 **VAUGHAN'S SPECIAL MIXTURE OF SMALL FLOWERED MARIGOLDS,** including all varieties illustrated, Pkt., **25c.**

Many-ColoredMarigold

3135 MARIGOLD COLOR MAGIC. Brilliant colors of non-fading red to pure gold with many varied striped and mottled combinations in red and gold. Full double flowers, 2¼ inches in diameter, the largest of the French sorts. Uniform in growth, approximately 6 inches in height when fully developed, plants are dwarf and compact. Because of its non-fading color, it provides a constant display from early summer to killing frost. Pkt., 25c

Newest Dwarf

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and orange. Their great variety lends interest to bowl arrangements and there is no better subject for the cutting garden than mixture of small flowered marigolds.

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others. Pkt., 25c.

3196 CUPID. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Foliage without marigold odor. Marvelous for edging or border. The flowers are 2 to 2½ in. across. Pkt., 25c.

3197 CUPID ORANGE. A true orange in the popular Cupid Class. Identical in type and habit to others in this group. The color is striking and makes a grand display. Pkt., 25c.

3198 CUPID MIXED. The double chrysanthemum-like flowers are in rich shades of orange, yellow and golden yellow which completely cover the plant. In size the flowers are equal to those of Marigold Cupid, 2 to 2½ in. across, and the dwarf compact plant but 6 in. tall. Odorless foliage. Pkt., 25c

Grow Novel Irises from Seed

Culture A, B or C, Page 53

8086 AVALON BLEND. Made up from such beautiful and desireable Iris species and hybrid groups as Tenax, Forresti, Clarkei, Aurea, Douglasiana, Delavayi and many others. Interesting and unusual. Pkt., 35c.

8089 IRIS KAEMPFERI SPECIAL STRAIN. Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.

3198 **MARIGOLD CUPID MIXED.** Pkt., **25c.**

Largest Flowering Dwarf Phlox-Beauty

4174 **DWARF PHLOX** Beauty Mixed. Pkt., **25c.**

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

4166 BLUE BEAUTY
4167 CRIMSON BEAUTY
4168 MAUVE BEAUTY
4169 PINK BEAUTY
4170 SALMON BEAUTY
4171 SCARLET BEAUTY
4172 VIOLET BEAUTY
4173 WHITE BEAUTY
4174 BEAUTY MIXED. A formula blend, including all colors shown in our illustration.

Each of the above, pkt., 25c.

Lovely New Swiss Giant Pansy

3901 **PANSY SWISS RASPBERRY ROSE.** Pkt., **50c.**

3901 PANSY SWISS RASPBERRY ROSE. An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., 50c.

Hybrid Sweet Tobacco

3403 NICOTIANA DAYLIGHT. 1½–2 ft. In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. The plants are of bushy habit, throwing an abundance of pure white flowers with the same delightful scent in the evening as Nicotiana Affinis. It makes an ideal subject for bedding purposes. Pkt., 35c.

Reddest of all Salvias

4669 SALVIA ST. JOHN'S FIRE. Our own re-selected strain coming into flower early, while the plants are but a few inches tall, and remaining in bloom until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on the uniformly compact plants. Pkt., 35c.

Dwarf White Centurea

1503 CENTUREA CYANUS POLAR BEAR. 18 in. Dwarf variety making a compact plant covered with pure white double flowers, foliage forms a tufted mass of bright green. A companion to Jubilee Gem offered in general list of annuals. Pkt., 20c

8582 **VIOLA SUPER LARGE FLOWERING SCOTCH.** Pkt., **25c.**

3403 **NICOTIANA** Daylight. Pkt., **35c.**

Scotch Violas

8582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gem type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets, and teach the children a valuable lesson. Sorry, cannot be sent to California on account of quarantine regulation. Pkt., 25c.

3949 **PETUNIA** All Double Colossal Shades of Rose. Pkt., **$1.00.**

All Double Petunias

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear 4½-inch flowers in abundance, varying in color from light pink to deep, purplish rose, some being fringed and some plain-edged. Lovely in bowl arrangements. Pkt., $1.00.

Improved Varieties

4020 SNOWBALL IMPROVED. Finest white in the Dwarf Small Flowered class. The good sized flowers are borne in great profusion on plants of compact habit. Despite the extreme heat of this Summer, Snowball Improved was in constant bloom at our Trial Grounds from early July to killing frost. Truly outstanding. Pkt., 25c.

4019 LIPSTICK. A rich new color in the same class as Celestial Rose. The plants are covered with medium-sized single flowers of a rich carmine rose with just a suggestion of salmon. Especially valuable in locations where other varieties are inclined to fade because of intense sun. 12 to 14 in. Pkt., 35c.

4020 **PETUNIA** Snowball Improved. Pkt., **25c.**

Fringed Ruffled Little Giants

4097 **PETUNIA** Little Giant Pink Frills. Pkt., **50c.**

4097 PETUNIA LITTLE GIANTS PINK FRILLS. (PINK SHADES). A selection of the light to dark pink shades out of the popular fringed and ruffled Little Giants Strain, retaining the same compact growth habit, size and freedom of bloom of the parent strain. A brilliant rich selection. Introduced exclusively by us in 1952 as "Pink Shades." Pkt., 50c.

4019 **PETUNIA** Lipstick Pkt. **35c.**

F-1 Hybrid Giant

4061 BALLERINA. F-1 HYBRID. 2 ft. All America Honorable Mention, 1952. As proved by the variety Silver Medal, an F-1 hybrid petunia has a magic vigor, which increases its flowers, brightens their color, produces bushier, compact growth with stronger stems. With so lovely a flower as Ballerina, a large single fringed blossom of soft glowing salmon, all these added qualities produce an outstanding plant. The flowers are 3½ to 4 in. across, plants dwarf and compact, blooms so numerous they almost hide the foliage. Pkt., 50c.

4061 **PETUNIA** Ballerina F-1 Hybrid. Pkt., **50c.**

6035 **ZINNIA CACTUS FLOWERED HYBRIDS.** Pkt., **25c.**

6043 **ZINNIA PERSIAN CARPET.** Pkt., **25c.**

New Zinnias With HYBRID VIGOR

6035 ZINNIAS CACTUS FLOWERED HYBRIDS. (NEW GIANT BURPEE HYBRIDS.) 3 ft. As a semi-cactus dahlia differs from the formal decorative type, with its uniform petals, regularly arranged, so does the cactus flowered hybrid zinnia differ from the older forms of this flower. No zinnia has larger flowers than these, up to 6 inches in diameter; and all the softer zinnia colors are included in the mixture, besides some lovely pastels found nowhere else. In form as well as color, there is much variation. The petals of some flowers are fluted, others are flat and twisted, but all are beautiful, often spectacular. You will want a group in your garden, and flowers of this new type for bouquets. They bloom quickly from seed sown in the open, and continue to flower with increasing size and color brilliance until killed by frost. Pkt., 25c.

New Type Zinnias CANDY STRIPED

6180 ZINNIA PEPPERMINT STICK MIXED. An interesting new development in the popular striata or striped type, reselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.

Detailed cultural instructions on Page 50, if followed, will insure your success in growing flowers from seed. Note cultural references given for each subject, also time required for seed to germinate.

Rich Color Texture in NEW ZINNIA STRAIN

6043 PERSIAN CARPET. 18 in. All America Honorable Mention 1952. On compact bushy plants, flowers as large as a silver dollar are produced in the greatest abundance. They resemble dahlias, rather than zinnias, with pointed petals tipped with contrasting colors. They are fully double, almost globular and their colors are deep and rich, including yellow, orange, red, crimson, maroon, and pink in harmonious patterns, which fully justify its poetic name, Persian Carpet. They grow quickly from seed and bloom with increasing abundance until killed by frost. Pkt., 25c.

Grow African Violets from Seed

4588 SAINTPAULIA BLUE FAIRY TALE. Extra large flowers of ultramarine blue with bright yellow eye coming 100% true from seed. Very free flowering, strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across, with good culture, in 10 to 12 months. Pkt., 50c

6180 **ZINNIA PEPPERMINT STICK MIXED.** Pkt., **25c.**

Surprise!

GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz., 35c.

5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts **½ Oz., 25c; Oz., 35c; ¼ lb., $1.00.**

5848 **SURPRISE GARDEN MIXTURE.** Oz. **35c.**

STANDARD LIST OF ANNUAL FLOWERS TO BLOOM FROM SEED THIS SUMMER

195 **AGERATUM** Midget Blue. Pkt. **25c**

Ageratum

Culture A, B, D or E, Page 50

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5–10 days.

195 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants. Pkt., 25c.

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants, which have dark green foliage. Pkt., 25c

187 PURPLE PERFECTION. 8 in. Large vivid dark purple, flowers on compact plant. Darkest of all in color. Excellent for ribbon planting. Pkt., 15c.

180 TALL BLUE. 18 in. For cut flowers, or use in the border as a foil for other colors this is excellent. Its soft lavender harmonizes with any color, and adds to its effect. Pkt., 15c

OTHER COLORS

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.

Amaranthus

Culture: A, B, D or E, Page 50

275 TRICOLOR (JOSEPH'S COAT). 2½ ft. The inner foliage is blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 15c

Bird of Paradise

Culture: D, Page 50

1149 POINCIANA GILLIESI. 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden. Very susceptible to cold. Pkt., (10 seeds) 15c

Acroclinium

(Everlasting)

Culture A, B, D or E, Page 50

The flowers resemble the English daisy, with lovely pastel colors which remain unfading when it is dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 SENSATION DOUBLE GIANT MIXTURE. 20 in. Double or semi-double flowers of white, chamois flesh pink and bright rose. Pkt., 15c.

166 **ACROCLINIUM** Mixture. Pkt., **15c.**

Bush Balsam

Culture A, B, D or E, Page 50

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red. 1½ to 2 ft. Seeds germinate in 15 days.

1057 ROSE. **1055 WHITE REFLECTED ROSE.**
1053 SCARLET. **1054 WHITE.**
Each of above, pkt., 25c; 3 pkts., 65c.
1051 MIXED. ⅛ oz. 60c, pkt., 25c

Balsam (Lady Slipper)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water.

1040 DOUBLE ROSE AND CAMELLIA-FLOWERED MIXED. 1½ to 2 ft. ¼ oz., 35c; pkt., 10c.

Blue Browallia

Culture A, or B, Page 50

Profusely blooming dwarf plant, covered during summer and autumn with winged flowers of intense blue. Grows freely in any rich soil. Germinates in 20 days.

1161 SAPPHIRE. 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

311 **ANCHUSA** Blue Bird. Pkt **20c.**

Anchusa Blue Bird

Culture: A, B, D or E, Page 50

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 20c. For others, see perennial pages.

1057 **BUSH BALSAM** Rose. Pkt., **25c.**

Newest Garden Snapdragons

Culture: A, B, D or E, Page 50

427 **VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED.** Pkt., **25c.**

Tetra Snapdragons

These unique flowers were created by science with an amazing treatment which changed the cell structure of the plants. "Tetra-snaps" are probably the most conspicuous success this method has so far attained

Every merit which snapdragons have as a garden flower is magnified They have greater vigor, a longer flowering season, darker green, glossier foliage, stronger stems, and their flowers have more and larger florets, with ruffled petals and brighter colors.

427 VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED. Flowers of the exceptional beauty, size and vigor, characteristic of the "Tetra" strain, include colors of which only a few are illustrated. They range from shell pink to the deepest rose, from dark bronze through orange to pale yellow, with many intermediate sunset tints which are found in no other strain. Pkt., 25e.

430 WHITE. Creamy white changing to pure white as flower ages. The primrose throat adds to the attractiveness of the large beautifully formed flowers.

434 APPLEBLOSSOM. Glistening pink with white tube.

436 BRILLIANT ROSE. Large florets of a true rose pink.

429 ORCHID. Rich orchid-purple with yellow blotch.

435 PINK SHADES. An interesting color blend ranging from light pink to deep rose.

428 YELLOW. A rich clear color

Each of the above, pkt , 25e.

317 **ANTIRRHINUM** Cherry Rose. Pkt., **20c.**

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days.

10 BEST COLORS

From careful records the 10 varieties listed below have been determined to be the most popular with home gardeners because of their bright colors and vigorous growth.

317 CHERRY ROSE. Brilliant deep cherry rose. An outstanding new color.

336 ROSALIE. Rich deep rose with an underlying tone of topaz or amber.

341 ALASKA. The finest pure white.

343B INDIAN SUMMER. Coppery rose-scarlet.

344 CANARY YELLOW.

346 LOVELINESS. Pure soft rose-pink.

347 RED CROSS. Deep rich crimson, white tube.

349 PADRE. Glistening crimson, rich and beautiful; uniformly compact contrasting foliage.

351 ORCHID SHADES.

352 PINK AND ROSE SHADES.

Each of the above, pkt., 20c; 3 pkts., 50c.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, and others bought especially for it, providing a never ending color feast of long stemmed flowers. ¼ oz., $1.35; ⅛ oz., 90c. Pkt., 20c.

RUST RESISTANT MIXTURES

Our mixtures are "Formula-Made" to insure your receiving the most complete color range.

322 LARGE FLOWERING DWARF MIXED. 1½ ft.

332 SUPER MAJESTIC MIXED. Semi-tall, giant flowered, 16 to 20 in. Recommended for the Home Gardens.

355 MAJUS GRANDIFLORUM MIXED. Large flowering, 2½ ft.

Each of the above, pkt., 20c; 3 pkts., 50c

348 MAXIMUM MIXED. Giant flowered, spikes 32 in tall and blooms 2 to 2½ in. across. Outstanding as cutflowers, the kind florists grow.

Pkt., 25c; 3 pkts., 65c

ANTIRRHINUM COLOSSAL. This new strain of tremendous vigor produces in the outdoor garden strong spikes 3 feet tall, filled with large florets. It is very popular in eastern states.

439 Crimson
440 Orange shades
441 Pink shades
442 White
443 Yellow

Each of the above, Pkt , 25e.

444 **MIXTURE.** Including all above. Pkt . 25e.

431 VELVET GIANT. 2½ ft. tall, each plant produces 6 to 12 spikes Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25e.

Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

432 MAGIC CARPET. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Pkt., 25e.

ANNUALS FOR FRAGRANCE

Alyssum	Heliotrope	Petunio
Candytuft	Lontono	Scabioso
Cornotion	Motthiolo	Stocks
Centoureo Imperialis	Mignonette	Sweet Peas
Dionthus	Nasturtium Nicotiona	Wollflower

2118 FRAGRANT ANNUALS MIXED. A mixture of the above varieties. Pkt., 25c.

4746 ANNUALS FORSHADE MIXED. Pkt., 25e.

4574 ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25e.

Wilt Resistant Asters

Culture: A, B, D or E, Page 50

Protect Asters with Insecticides Containing D.D.T.

D.D.T. will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Regular spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. We recommend Protexall, D. D. T. 5% dust, and D. D. T. 50% wettable dust (see index). Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Aster seeds germinate in 8–10 days.

632 **PRINCESS ASTER** Speciol Mixture, Pkt., **25c.**

GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 AZURE BLUE, dark lavender.
903 DEEP ROSE.
906 PURPLE.
904 CRIMSON.
901 WHITE.
902 SHELL PINK.
908 SENSATION (SCARLET.)

Each of above, pkt., 15c; any 3 pkts., 40c.

898 MIXED. ⅛ oz., 50e, pkt., 15e.

GIANT CREGO Ostrich Feather 2 ft.

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost

559 AZURE BLUE.
560 BLUE FLAME, navy blue.
560A CATTLEYA, faseinating shade of orchid.
561 CRIMSON.
563 DEEP ROSE.
564 LAVENDER.
565 PINK.
566 PURPLE.
569 WHITE.

Each of above, Pkt., 15c; any 3 pkts., 40c.

575 MIXED. ⅛ oz., 50c; pkt., 15c

640 COLLECTION OF VAUGHAN'S WILT RESISTANT ASTERS, 75c. One packet each of six varieties prepaid, 75c Giant Crego'—369 White, 564 Lavender, 565 Pink. Giant Branching—906 Purple, 905 Azure Blue, 903 Deep Rose

EARLY BEAUTY 2 TO 3 FT.

Branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching

534 MIXED. ⅛ oz., 50e; pkt., 15c.

EARLY GIANT 1½ TO 2 FT.

The flowers are fully double with broad, graceful petals, daintily plumed and inter-twined, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than California Giants.

541 LIGHT BLUE. A big lacy flower
542 PEACHBLOSSOM. White flushed pink
543 ROSE MARIE. Rich, lively shade of rose

538 AZURE BLUE. 539 CRIMSON. 540 WHITE.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 MIXED. All the above ¼ oz 75c; pkt. 25c.,

929 **WILT RESISTANT ASTER** Heart of France. Pkt., **20c.**

An old favorite which in the opinion of many has never been surpassed.

929 HEART OF FRANCE. 18–24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. ¼ oz., 65c; pkt., 20c

ROYAL EARLY-FLOWERING BRANCHING 2 FT.

This type fills a gap between the Queen of the Market and the Late Flowering Branching Asters.

930C MIXED. ⅛ oz., 50e; pkt., 15e.

628 A MIXTURE OF ALL GIANT VARIETIES. It became very popular with our customers in our store before we catalogued it. Pkt., 25c

915 VAUGHAN'S SPECIAL WILT RESISTANT MIXED. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. ⅛ oz., 65c; pkt., 15e.

903 **ASTER** Giant Branching — Deep Rose Pkt., **15c.**

QUEEN OF THE MARKET (EARLY) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

928 MIXED. ⅛ oz., 50e; pkt., 15c.
850 BALLET TYPE MIXED. The new Queen Type with full centers, large flowers and long stems. Very early to flower, it is highly wilt resistant. A well-balanced color range which includes purple, rose, light blue and white. Pkt., 25e.

Single Asters

Both in the garden and in the border these lovely daisy-blooms of vivid coloring are highly esteemed by advance gardeners and florists

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25c.

Non-Resistant

CALIFORNIA GIANTS 3 FT.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long.

610 MIXED. ⅛ oz., 65e; pkt., 15e.
887 CALIFORNIA GIANT SUNSHINE, FINEST MIXED. ⅛ oz., 75c; pkt., 25e. See Novelty pages

IMBRICATED POMPON 1 FT.

592 MIXED. Flowers very freely produced, often as many as 20 on a dwarf, bushy plant. Blooms very early. The small round pompon blossoms have an outside row of short guard petals. Pkt., 25c.

Princess Asters

WILT RESISTANT

Culture: A, B, D or E, Page 50

Vaughan's Princess Asters are of a new type, characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers whose beauty is evident from the illustration. Plants are branching, giving a bushy effect in the border. They are early and free bloomers and make splendid cut flowers. 2-2½ ft

625 PRINCESS ANNE. Delicate pink turning to rose pink.
624 PRINCESS BARBARA. Orchid.
626 PRINCESS BONNIE. Salmon rose.
618 PRINCESS ELIZABETH. Pure white.
623 PRINCESS GOLDEN SHEAF. The deepest yellow Aster yet offered.
621 PRINCESS LINDA. Clear Rose.
619 PRINCESS MARGARET. A true rose.
627 PRINCESS MARSHA. Cinnibar scarlet.
629 PRINCESS NANCY. New, glowing salmon pink, gold center
617 PRINCESS PAT. Bright crimson.
620 PRINCESS SUSAN. Clear deep blue.
630 PRINCESS VIRGINIA. New bright mid-blue
632 VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS, containing all the above, including the new introductions.

Each of the above, pkt., 25c.

949 **SINGLE ASTER** Roinbow Mixture. Pkt., **25c.**

Arctotis (African-Daisy)

Culture: A, B D or E, Page 50

For Dry Sandy Soils. Seed germinates in 20 days

451 NEW HYBRIDS 8–12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

Irish Green Bellflower

Culture: A, B, D or E, Page 50

1138 BELL OF IRELAND. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.

1146 **BRACHYCOME** Mixed. Pkt., **15c.**

Sweet Alyssum

IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders, the white and violet alyssums are ideal. Fragrant, dwarf, bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

Culture: A, B, D or E, Page 50

Seed germinates in 5–10 days.

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., $1.80; ¼ oz., $1.00; ¼ oz., 55c; pkt., 15c.

250 MARITIMUM (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Not recommended for edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; ½ oz., 35c; pkt., 10c.

259 **ALYSSUM** Violet Queen. Pkt., **15c.**

259 VIOLET QUEEN. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ⅛ oz., 35c; ¼ oz., 60c; ½ oz., $1.10; 1 oz., $2.00; pkt., 15c.

265 ROYAL CARPET. See Novelties.

See also Perennial Pages.

Cacalia (Tassel Flower)

Culture A only, Page 50

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

1170 MIXED. 2 ft. Scarlet and yellow. Pkt., 15c.

Swan River Daisy

Culture: A, B, D or E, Page 50

Brachycome

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8–12 days.

1146 MIXED. 12 in. All colors. ⅛ oz., 35c; pkt., 15c.

English Daisy

BELLIS PERENNIS (6 to 8 inches)

Culture C, Page 50

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders. Seed germinates in 5–10 days.

1131 MONSTROSA MIXED. Pkt., 20c.

255 Ribbon Planting of **Vaughan's ALYSSUM Little Gem.** Pkt., **15c.**

Gay Calliopsis Clan

Culture: A, Page 50

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10–20 days.

1245 VAUGHAN'S SPECIAL MIXTURE. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt., 15c

1131 **BELLIS.** Monstroso Double Mixed. **20c.**

New Calendulas

Pacific Strain

In this latest version of the flower which Shakespeare knew as "marygold," the long, rather loosely arranged petals have highlights which produce a two-toned effect, when they reflect the sunshine or glow in artificial light. Flowers are uniformly larger, stems longer, and color more brilliant, and the plants are resistant to midsummer heat. Though not a hardy plant, calendulas are usually the last annual flowers to remain blooming in the fall garden. Many sow seed late in June for autumn flowers.

1209 PACIFIC GOLDEN GIANT. 24 in. True golden orange, petals tipped with a lighter tone. Exceptionally large flowers.

1208 —APRICOT BEAUTY. A new strain uniformly larger with longer and straighter stems and more resistance to summer heat. The attractive two-toned effect is more clearly pronounced than in the older type.

1210 —CREAM BEAUTY. Creamy-white deepening to soft yellow makes this the most delicately colored of all Calendulas. Combines well with all other colors.

1211 —LEMON BEAUTY. Pure lemon yellow. Long petals give the flowers a graceful appearance. Centers are well covered with incurving petals.

Each of the above; Pkt., 25c; any 4 pkts., for 80c.

1212 PACIFIC BEAUTY MIXED. A blend of the above described varieties. Pkt., 25c.

1390 CARNATION VAUGHAN'S SPECIAL MIXTURE. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt., 35c

Garden Carnations

Culture: A or B, D or E, Page 50

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Seed germinates in 12 days. Plants lifted in fall and cut back will bloom again indoors.

GIANT ENFANT DE NICE CARNATIONS. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% double flowers.

1329 MIXED. A well-balanced blend including white, salmon, rose and red. Pkt., 35c

1345 EARLY AND PERPETUAL FLOWERING SUPER GIANT MIXED. The largest flowered clove scented strain for garden use. Produces excellent cut flowers under cold frame forcing. Pkt., 25c.

1350 GIANT MARGARET MIXED. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 15c.

1351 J. M. BRIDGEFORD. (Malmaison.) 1¼ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across of all Carnation colors, most fragrant of all. Flowers throughout the summer. Pkt., 50c.

See Perennials.

Culture A, B, D or E, Page 50

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made. Keep the flowers cut for continuous blooming. During warm weather some flowers may be singled out but all return to full doubles when they weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die. Seeds germinate in 12 days.

1206 CALENDULA Vaughan's Special Mixture. This is a well balanced mixture of the finest named varieties, including the giant variety Campfire, Pacific hybrids, the popular Chrysantha strain and other fine varieties and types. In color they range from soft cream yellow to bright orange, giving a delightful collection for cut flower use, as well as for border display. They are selected for heat resistance, so give a longer season of bloom than most. ¼ oz., 60c; pkt., 15c.

1212 **CALENDULA** Pacific Beauty Mixed. **Pkt., 25c.**

BEGONIAS

For a complete listing see our Home Greenhouse and House Plants from Seed Page 48

Grow Cacti from Seed

Culture C, D or E, Page 50

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 CACTI. All kinds and forms mixed.

Pkt. (50 seeds), 25c; 5 pkts. for $1.00

Cypress Vine

Culture: A, B, D, or E, Page 50

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5–10 days.

2040 MIXED. Scarlet and white Pkt., 15c.

1250 **CANARY BIRD VINE** Pkt., **25c**

Canary Bird Vine

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.

1320 **CARDINAL** Climber. **Pkt., 15c.**

Cardinal Climber

Culture: A or B, D or E, Page 50

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage. It bears fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. Germination takes 5–10 days. The vines are a favorite playground of humming birds. Pkt., 15c;

Cuphea Firecracker Plant

Culture: A or B, Page 50

Seeds germinate in 20–30 days. Greenhouse Subject.

1999 FIREFLY. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.

Godetia (Satin Flower)

Culture: A, B, D or E, Page 50

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil. Seeds germinate in 15 days.

2595 DOUBLE VAUGHAN'S SPECIAL MIXTURE. Attractive bushy plants with masses of large colorful spikes. Flower spikes are closely set by double flowers in bright attractive colors. Pkt., 10c.

Candytuft (Iberis)

Culture: A, B, D or E, Page 50

Successive plantings give flowers all summer. Seed germinates in 5–10 days. May be sown late in Fall in Tulip beds for summer flowering.

1260 GIANT HYACINTH-FLOWERED WHITE. 1 ft. Large, bold spikes of snowy white flowers. Plant sturdy and compact. ¼ oz., 40c; pkt., 10c.

1287 UMBELLATA MIXED. 1 ft. Flowers in umbrella form. ¼ oz., 30c; pkt., 10c.

1290 DWARF HYBRIDS MIXED. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz. 30c; pkt., 10c.

Cobaea

(Cathedral Bells)

Culture: A, B, D or E, Page 50

1820 SCANDENS. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. They germinate in 15 days. Very vigorous and prolific bloomer. Pkt., **15c.**

Annual Hollyhocks

Culture: A or B, D or E, Page 50

These annual kinds bloom the first year and will live over winter and last for several years. If sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Seeds germinate in 8 days.

2845 EVERBLOOMING DOUBLE MIXED. 5 ft. Double and semi-double. ⅛ oz., 35c; pkt., 10c.

2842 INDIAN SPRING. 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

2841 INDIAN SUMMER MIXED. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt , 25c.

Popular Bachelor Buttons

Culture: A, B, D or E, Page 50

CENTAUREA CYANUS SUPER DOUBLE 3 ft.

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

1505 BLACK BOY. Blackish maroon.

1506 BLUE BOY. The true cornflower blue.

1507 PINKIE. Lovely true pink.

1508 RED BOY. Deep glowing red.

1509 SNOWMAN. Pure white.

Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

1522 VAUGHAN'S SPECIAL SUPER DOUBLE MIXED. ¼ oz., 30c; ½ oz., 50c; pkt., 15c.

1504 JUBILEE GEM. A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. Pkt., 15c.

1503 POLAR BEAR. 18 in Dwarf variety making a compact plant covered with pure white double flowers, foliage forms a tufted mass of bright green. A companion to Jubilee Gem. Pkt., 20c.

1500 JUBILEE MIXED. 1 ft. The plants have a similar habit to blue Jubilee Gem, and white Polar Bear, forming low bushes with a blossom terminating every stem and branch. Selfseed in most localities, and do well from fall sown seed. Pkt., 25c.

1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., **15c.**

Giant Sweet Sultans

Culture: A, B, D or E, Page 50

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

1570 CENTAUREA IMPERIALIS, MIXED. 2½ ft. ¼ oz., 35c; pkt., 10c.

CINERARIA. See page 48.

1790 **CLARKIA** Vaughan's Special Mixture. Pkt., **15c.**

Double Clarkia

Culture A, B, D or E, Page 50

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days.

1790 VAUGHAN'S SPECIAL MIXTURE. 3 ft. Made up especially from named varieties ⅛ oz., 35c; pkt., 15c.

Celosia

(Cockscomb)

Culture: A, B, D or E, Page 50

THE popular name is derived from the resemblance of the flower heads of the crested type to a cocks comb though in texture they are like plush or chenille. Easily dried for winter use. Seeds germinate in 20 days.

CRESTED TALL SORTS

1436 GILBERT'S MAPLE GOLD. 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.

1437 GILBERT'S ROSE BEAUTY. 2 ft. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Dries perfectly for winter bouquets Pkt., 25c.

1439 GILBERT'S HARLEQUIN. 2 ft. Uniform bush type, pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage. Perfect plant for bedding purposes. Pkt., 25c.

1472 ROYAL VELVET. 2 ft. Produces numerous long-stemmed plumy heads of richest crimson, on main stem and basal branches. Foliage bronzy green with reddish margins. Pkt., 25c.

1432 CRIMSON. Pkt., 15c.

1435 TALL MIXED. Pkt , 10c.

1434 GILBERT'S MAPLE GOLD AND ROSE BEAUTY MIXED. 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c

1430 CRESTED DWARF SORTS MIXED. 8-10 in. Pkt., 15c.

OSTRICH PLUME SORTS

They generally form pyramidal bushes, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1450 MIXED. Pkt , 10c.

1460 PRIDE OF CASTLE GOULD. Compact pyramidal plants produce immense flower heads, resembling plumes in many colors Pkt , 25c

1468 CHINESE WOOLFLOWER MIXED. 2 to 3 ft Pkt., 15c

1451 GOLDEN FLEECE. See Novelties.

Daisy Corner

2050 VAUGHAN'S MIXTURE OF ANNUAL DAISIES. These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

Cosmos from July to Frost

Culture: A, B, D or E, Page 50

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days.

SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 DAZZLER. Very rich, deep crimson.

1968 PINK. A delightful rose-pink selection.

1967 PURITY. A white with satin sheen.

1969 RADIANCE. Deep rose with rich crimson zone.

1966 SENSATION SPECIAL MIXED.

Each of the above, pkt., 25c; 3 pkts. for 65c

1950 EARLY FLOWERING MAMMOTH MIXED. 3 ft. All colors. ¼ oz., 25c; pkt., 10c.

DOUBLE EARLY FLOWERING 3 FT.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 PINK. **1991 WHITE.** **1992 CRIMSON.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 DOUBLE MIXED. Above 3 colors. ⅛ oz., 60c; pkt., 25c.

1982 ORANGE RUFFLES, SEMI-DOUBLE. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1966 **COSMOS** Sensation Special Mixed. Pkt., **25c.**

1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., **25c.**

1984 FIESTA. 2½ ft. All America Silver Medal 1952. Flowers of bright gold striped with scarlet are borne on dwarf bushy plants. Blooms are similar in form to Yellow Flare, semi-double with ruffled petals, and are freely borne all summer, following an early start. A good border subject and attractive cut flower. Pkt., 25c.

1979 ORANGE FLARE. 3 ft. Well-branched plants, bearing showy golden orange, flowers in about 3 months from seed, blooming with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Seed germinates in 8 days. Give full sun. Pkt., 15c.

1980 YELLOW FLARE. 3 ft. Bright clear yellow. The single flowers are about 2½ in. across, produced in abundance. Delightful when used in flower arrangements. Give same cultural care as Orange Flare. Pkt., 25c.

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A, D or E, Page 50

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days.

1696 VAUGHAN'S RAINBOW MIXTURE. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c.

1984 **COSMOS FIESTA.** Pkt., **25c.**

DOUBLE FLOWERING VARIETIES 2 FT.

1695 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE CHRYSANTHEMUMS. Pkt., 10c.

1700 VAUGHAN'S SPECIAL MIXTURE. SINGLE AND DOUBLE SORTS IN FINEST MIXTURE. Including many varieties not catalogued. Pkt., 10c.

1621 **KOREAN CHRYSANTHEMUM HYBRIDS.** Pkt., **50c.**

Korean Mums

Culture: A, B, D or E, Page 50

1621 KOREAN HYBRIDS. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Seeds germinate in 15 days. Pkt., 50c.

Chinese Forget-Me-Not

Culture: A, B, D or E, Page 50

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days.

2015 CYNOGLOSSUM AMABILE, BLUE BIRD. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ⅛ oz., 30c; pkt., 15c.

2017 AMABILE PINK. Bright Pink. Pkt., 15c.

2020 FIRMAMENT. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for dry, poor soil. Pkt., 15c.

2015 **CYNOGLOSSUM BLUE BIRD.** Pkt., **15c.**

2086 **DAHLIA UNWIN'S DWARF HYBRIDS.** Pkt., **25c.**

Grow Dahlias from Seed

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream, white and yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., $1.10; ⅛ oz., 60c; pkt. **25c**

Culture: D or E, A or B, Page 50

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8–10 days.

2087 UNWIN'S IDEAL BEDDING MIXED. 2 ft. The flower petals are nearly all twisted, double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

DOUBLE DAHLIAS

2080 DOUBLE BEST MIXED 3 ft. Saved from name and fancy sorts. Pkt., 25c.

2039 DOUBLE LILLIPUT POMPON MIXED. 3 ft. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c.

California Poppy

Escholtzia

Culture: A, B, D or E, Page 50

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seed germinates in 8 days.

DWARF ERECT VARIETIES 1 FT. (CALIFORNICA).

2415 VAUGHAN'S SPECIAL MIXTURE. Containing all the more important colors and color-combinations in this easy to grow and attractive free flowering annual. ¼ oz., 40c; pkt., 15c.

2385 GOLDEN WEST. Bright yellow orange center. Pkt., 10c.

Coleus

Culture: D or E, Page 50

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1–2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1–2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt., 50c.

1857 LARGE LEAVED MIXED. Pkt., 35c.

1804 CLEOME HELEN CAMPBELL. See Novelties.

African Daisy

Culture: A, B, D or E, Page 50

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days.

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 15c.

1855 **COLEUS.** Vaughan's Rainbow Mixture. Pkt., **35c.**

2476 **GAILLARDIA** Giant Double Sunshine Pkt., **25c.**

Gaillardia

Culture: A, B, D or E, Page 50

One of the most profuse bloomers of the flower garden Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days.

2476 VAUGHANS' GIANT DOUBLE SUNSHINE. 18 in. A scintillating new color mixture. Huge fluffy "ball-like" double blooms, in a spritely array of new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivacious bicolor tippings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. ⅛ oz., 60c, pkt., 25c.

See also Perennial Pages.

Geranium Seed

Culture: A, B or C, Page 50

2492 VAUGHAN'S SPECIAL MIXTURE. Large Flowering Varieties. Improved single large flowered, seed saved from name varieties. Many charming varieties may be expected, even some doubles. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt., (50 seeds), **35c.**

Blue Gilia

Culture: A, B, D or B, Page 50

Seed germinates in 20 days.

2532 CAPITATA (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. ¼ oz., 25c; pkt., 15c.

2112 ANGEL'S TRUMPET (DATURA) IVORY KING. See Novelties. Pkt., **35c.**

Helichrysum

(Strawflower)

Culture: A or B, D or E, Page 50

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days

2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. 3 ft. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ⅛ oz., 35c; pkt., 15c.

Brilliant Annual Pinks—Dianthus

Culture: A or B, D or E, Page 50

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days.

2262 LACINIATUS DOUBLE GAIETY. A new double form of this popular annual. The fringing and twisting of the petals avoids any feeling of heaviness while the large flowers come in a bewildering variety of colors, red, white, pink and maroon, and are borne on 12 inch stems on compact plants. Pkt., 25c.

2230 HEDDENSIS FINEST MIXED. 16in. A tetra-ploid combining the large open flowers of Dianthus Heddewigi with the rugged growth and long stemmed habit of Dianthus Chinensis. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors. Pkt., 25c.

2262 **DIANTHUS DOUBLE GAIETY.** Pkt., **25c.**

2257 CHINESE DOUBLE MIXED. 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 10c; 3 pkts., 25c.

2247 BRILLIANT MIXED. See Novelties.

2245 VAUGHAN'S SPECIAL MIXTURE, SINGLE PINKS. Includes all the single varieties. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. ⅛ oz., 40c; pkt., 10c.

2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. ⅛ oz., 40c; pkt., 10c.

2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS. This magnificent mixture contains the cream of the annual pinks, both single and double. ⅛ oz., 50c; Pkt., 20c.

Hunnemannia

Culture: A or B, D or E, Page 50

2861 SUNLITE. 1½ ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. ⅛ oz., 50c; pkt., 15c.

IMPATIENS. See Page 49.

2681 **GYPSOPHILA** Elegans Grd. Alba **15c.**

Gypsophila

Culture: A, Page 50

Graceful plants of light fairy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days

2681 ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION. 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. Oz., 60c. ¼ oz., 40c; ¼ oz., 25c; pkt., 15c

2682 ELEGANS VIVID ROSE. 18 in. Pkt., 10c.

2683 —CRIMSON. Pkt., 10c.

2686 —MIXED. ¼ oz., 25c; pkt., **10c.**

See also Perennial Pages

Everlastings

2440 MIXED. A formula blend of varieties which can be dried for bouquet work, including Statice, Gomphrena, Xeranthemum, Acroclinium, Salvia Blue Bedder and others. Pkt., 15c.

GOURDS, Varieties Illustrated are: 1. Bottle Miniature; 2. (Not Available) 3. Large Dipper; 4 (Not Available) 5. Hercules' Club; 6. Turk's Turban; 7. Spoon; 8. Warted Sorts.

ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 CORN (Calico Indian or Squaw). The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 35c; pkt., 15c.

Gourds

Culture: A, B, D or E, Page 50

Gourds make attractive decorations at autumn parties and harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. The vine is an excellent cover for arbors and trellises. Leaflet on culture sent free if asked for with order. Seeds germinate in 15 days.

LARGE FRUITED GOURDS

2618 (5) HERCULES CLUB. Fruit grows 3 to 4 ft. long.

2610 (3) DIPPER. Fruit makes an excellent dipper and may be used for birds' nests.

2645 (6) TURK'S TURBAN. Odd brightly colored fruit. Intermediate in size.

2651 LARGE FRUITED SORTS MIXED.

Each of above, pkt., 15c; any 2 pkts. for 25c.

SMALL FRUITED GOURDS

2607 (1) BOTTLE MINIATURE.

2643 (7) SPOON. Small bell-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.

2646 (8) WARTED SORTS MIXED.

2650 SMALL FRUITED VARIETIES MIXED.

Each of the above, pkt., 15c; any 2 pkts. for 25c.

CROWN OF THORNS

2609 Also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the customary main grooves. It is white or ivory-white. Pkt., 25c.

2660 VAUGHAN'S SPECIAL MIXTURE. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., $1.10; ½ oz., 65c; pkt., 15c.

Flowering Kale

2458 FLOWERING KALE. 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Seeds germinate in 10 days. Pkt., 25c.

DECORATIVE AND GOOD TO EAT

1928 STRAWBERRY CORN. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.

Fragrant Heliotrope

Culture: A or B, D or E, Page 50

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom. Seeds sown in the spring make fine plants for bedding out. Seeds germinate in 15 days.

2820 MAMMOTH MIXED. 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 20c.

2965 **KOCHIA** Childsii. Pkt., **15c.**

Kochia-Burning Bush

Annual Hedge Plant

Culture: A or B, D or E, Page 50

2965 CHILDSII. 2½ ft. Pyramidal bushes of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge. Seeds germinate in 15 days. Oz., 50c; ½ oz., 30c; pkt., 15c.

1928 **STRAWBERRY CORN.** Pkt., **25c.**

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days.

LARKSPUR SUPREME

Culture: A, B, D or E, Page 50

This is an entirely new strain of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spire of beauty; the perfect cutting strain. The colors are not just slight variations from old varieties, but are new, distinct, with a brilliance equaled by no others. In California the central spikes grow to a height of 6 feet, with its companions only slightly lower. Florets are fully double closely placed on the stem.

From Left to Right in Illustration:

2128 **ROSE SUPREME.** Deeper rose than any other
2127 **LILAC SUPREME.** Clear, pale lilac, free from pink
2129 **SALMON SUPREME.** True salmon, stronger in tone than others
2130 **WHITE SUPREME.** Pure white without suggestion of pink.
2132 **PINK SUPREME.** Deep rose pink, lovely under lights.
2131 **DARK BLUE SUPREME.** Deep violet purple

Each of the above, pkt., 15c; any 4 pkts., 50c.

2133 **SUPREME MIXED.** A blend of all the above with additional colors not yet introduced. ¼ oz., 75c; Large Pkt., 25c.

VAUGHAN'S LARKSPUR SUPREME

2170 **LARKSPUR, Vaughan's Special Annual Mixture.** Charming mixture containing all the bright and delicate colors of this flower. It makes wonderful cut flower material and should be planted generously. Seed should be sown in good rich well-manured soil, and in a full sunny position. The plants should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.50; ¼ oz., 50c; pkt. **20c**

Lovely Blue Lobelias

3049 **LOBELIA** Mrs. Clibran Improved **25c.**

DWARF VARIETIES

For varied and vivid tones of blue, produced in such abundance as to hide the leaves, the dwarf varieties are unrivaled. Best of all blues for edging and ribbon planting. By cutting back in midsummer, all-summer bloom is assured. Seed germinates in 10 days.

3041 **BLUE GOWN.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
3053 **CAMBRIDGE BEAUTY.** Large light blue flowers, green foliage. Pkt., 25c.
3045 **CRYSTAL PALACE COMPACTA.** 4 in. Deepest blue, dark foliage. Pkt., 10c
3049 **MRS. CLIBRAN IMPROVED.** 4 in. Flowers of deep blue with white eye. A compact plant completely covered with showy flowers which provide an interesting array of color in the bed or border. Pkt., 25c.
3070 **DWARF MIXED COLORS.** Pkt., 10c.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3065 **SAPPHIRE.** Large, deep blue flowers with a pure white eye. Pkt., 15c.

Linarias (Baby Snaps)

Culture: A or B, Page 50

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days

3039 **FAIRY BOUQUET.** 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ⅛ oz., 35c., pkt., 15c.
3035 **NORTHERN LIGHTS.** See Novelties. Pkt., 25c.

Mesembryanthemum (Ice Plant)

2869 **CRINIFLORUM (Livingstone Daisy).** Plants of slightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

Marvel of Peru or Four O'Clocks

Culture: A or B, D or E, Page 50

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days.

3290 **MIXED COLORS.** ¼ lb., $1.50; 1 oz., 50c; pkt., 15c.
3300 **MIRABILIS UNIFLORA.** Bright rose flowers of the most unusual "trumpet in trumpet" form. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.

3290 **FOUR O'CLOCKS MIXED.** Pkt., 15c.

Matricaria

Culture: D or E, A or B, Page 50

3206 **CAPENSIS IMPROVED. (Feverfew).** 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c.

3245 **MIGNONETTE** Machet. Pkt., **15c.**

Sow for Fragrance Mignonette (Reseda)

Culture: A or B, Page 50

A well-known, old-fashioned flower highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart. Seeds germinate in 8 days.

3245 **MACHET SELECT.** 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. ⅛ oz., 35c; pkt., 15c.
3260 **MIXED.** Also many shades and types. ⅛ oz., 25c, pkt., 10c.

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 50

3212 **MATTHIOLA BICORNIS.** 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 10c.

Gay Sun-Loving Marigolds

3142 **MARIGOLD** Gigantea Sunset Giants. Pkt., 15c.

Culture: A or B, D or E, Page 50

MARIGOLDS come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8–10 days.

LARGEST, DAHLIA FLOWERED

3142 SUNSET GIANTS. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3177 DWARF GIGANTEA POT O'GOLD. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c.

CARNATION FLOWERED

3129 CALIFORNIA GOLD. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3130 FRILLS. 2 ft. A new color in the frilly carnation-type marigolds with odorless foliage. Flowers grow 3½ in. across, clear, vivid golden orange with petals beautifully frilled and waved. Low growing plants produce their lovely flowers profusely summer and fall. Valuable for garden decoration; the long-stemmed flowers highly prized for cutting. Pkt., 25c.

3152 ORANGE SUPREME. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3131 REAL GOLD. 2 ft. Large carnation-type flowers up to 4½ inches across are borne on compact bushes, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

3124 YELLOW SUPREME. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 15c.

3136 FLUFFY RUFFLES. See Novelties.

CHRYSANTHEMUM FLOWERED

3151 MAMMOTH "MUM". 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in deep. Pkt., 25c.

3132 YELLOWSTONE. 3–5 ft. A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late. Pkt., 25c

3127 LIMELIGHT. 3 ft. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering. 1¼–2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c

3140 VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.

3155 SUPER GIANT MIXED. All large flowered sorts. Pkt., 25c.

3195 SPECIAL MIXTURE OF ODORLESS FOLIAGE VARIETIES. All the odorless varieties in excellent blend. Pkt., 25c.

3154 VAUGHAN'S TREASURE CHEST. 2½ to 3 ft. Colors run from deepest orange through orange, yellow, buff to lightest primrose. Chrysanthemum Carnation and Peony-flowered, many 5 in. across. ⅛ oz., 50c; Pkt., 15c.

3150 VAUGHAN'S SPECIAL TALL MIXTURE. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ⅛ oz., 50c; pkt., 15c.

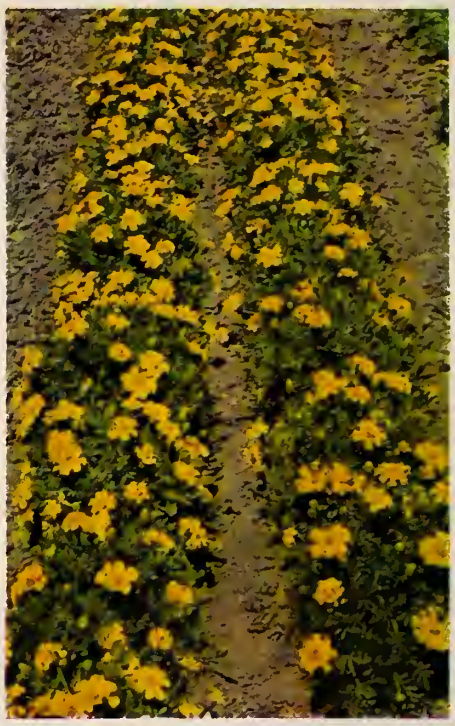
DWARF FRENCH, DOUBLE 10 IN.

3171 MONARCH STRAIN OF DWARF FRENCH DOUBLE MIXED. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ¼ oz., 25c; pkt., 10c.

3139 **MARIGOLD HAPPINESS.** Pkt., 25c.

3139 HAPPINESS. The large chrysanthemum-like flowers, 3¼ in. across, are a cheerful golden-yellow. Plants are of uniform habit, growing 16 in. tall; early to flower and a profuse bloomer. An excellent companion to Golden Bedder. Pkt., 25c.

3170 **MARIGOLD** Harmony Hybrids, 25c.



3189 **MARIGOLD Sunny** Pkt., 25c.

SINGLE FRENCH

3189 SUNNY. 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c.

3179 NAUGHTY MARIETTA. 2 ft. Golden yellow flowers with mahogany star in center, 2 to 2½ in across. Dwarf showy plants completely covered with bloom. Pkt. 25c.

3187 FLASH. 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¾ in. across. Pkt., 25c.

DOUBLE DWARF FRENCH

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ¼ oz., 50c; pkt., 10c.

3164A BUTTERBALL. 10 in. The name fits this pretty edging variety of canary yellow. It grows in a mound covered with 1½ inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3135 COLOR MAGIC. See Novelty pages.

3174 HARMONY. Dwarf, compact, early, golden yellow bordered, maroon red ¼ oz., 60c; ⅛ oz., 35c; pkt., 15c.

3167 RUSTY RED. See Novelties.

3169A SCARLET GLOW. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3163 B YELLOW PYGMY. 8 in. Light lemon-yellow. Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3170 HARMONY HYBRIDS. Wide and varied range striking color combinations, 1¾ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.

Miniature Harmony

3170A MARIGOLD SPRY. 9 in. This is a miniature version of Harmony, growing in compact bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

CUPID YELLOW, CUPID ORANGE AND CUPID MIXED. See Novelties.

Forget-Me-Nots

(Myosotis)

Culture: A, B or C, Page 50

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring, they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days.

3321 ALPESTRIS BLUE EYES. 10 in. Bright blue with white eye, large, early. Pkt., 15c

3353 ALPESTRIS ERECTA BLUE SPIRE. Flowers of a vivid blue, deeper yet brighter than indigo, are borne in clusters on strong 12 inch stems of column like habit. It is splendid for mass planting, combining with pink or yellow flowers, or interplanting with tulips. Pkt., 25c.

3335 ALPESTRIS ROBUSTA GRANDIFLORA. 12 in., an extra select strain. Large clusters of mid-blue flowers. A perennial which can be treated as an annual, blooming the first year from seed. Pkt., 20c.

3356 VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

Nierembergia

Culture: D or E, Page 50

3412 PURPLE ROBE IMPROVED. The rich violet blue color is deeper than the original and the plants more dwarf and compact. This improved strain does not fade out under hot weather conditions. Pkt., 35c

Annuals for Cut Flowers

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. 1 oz., 50c; ½ oz., 30c; pkt., 15c.

2901 **MORNING GLORY.** Giont Cornell. Pkt., **20c.**

2941 **MORNING GLORY.** Heovenly Blue Clorke's Eorly Flowering. Pkt., **20c.**

1922 **BUSH MORNING GLORY.** Royal Ensign. Pkt., **20c.**

2948 **MORNING GLORY.** Scorlett O'Horo. Pkt., **20c.**

Giant Morning Glories

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. Seeds germinate in 8–10 days.

2941 HEAVENLY BLUE CLARKE'S EARLY FLOWERING. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 35c; pkt., 20c.

2901 GIANT CORNELL. The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 65c; pkt., 20c.

2903 DARLING. Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides enough contrast to make flowers stand out immediately. An easily cultivated annual climbing vine, of vigorous growth and very free flowering. Pkt., 25c.

2943 IMPROVED PEARLY GATES. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 SCARLETT O'HARA. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. ¼ oz., 60c; pkt., 20c.

Of all flowers shown at our County Fair last year, the one most commented on was a simple arrangement of Bell of Ireland in a ruby red vase. Mrs. C. (Idaho)

Red, White and Blue

2940 RED, WHITE AND BLUE COLLECTION. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 65c), for 40c.

2935 RED, WHITE AND BLUE MIXTURE. A balanced mixture of the above. Pkt., 25c.

BUSH MORNING GLORY 1 FT.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1921 PINK. Dwarf spreading plants which are very free flowering. Excellent for growing in window boxes, hanging baskets, low edgings and rockeries. The flowers resemble small morning glories but remain open all day in good weather. Sow seed in bright, sunny spot. Pkt., 25c.

1922 ROYAL ENSIGN. A deep bright ultra-marine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. 8 in. Pkt., 20c.

1920 MIXED, all colors. Pkt., 10c.

CONVOLVULUS (Morning Glory)

1900 TALL MIXED, all colors. 1 oz., 25c; pkt., 10c.

Moonflowers

"Moonflowers" are climbers.

These are Ipomoeas that bloom at sunset, fading in late morning. Very fragrant. Seeds germinate in 10–12 days.

2895 BONA NOX (Evening Glory). Violet. Pkt., 10c.

2905 MEXICANA GRANDIFLORA ALBA (White Moonflower). Opens 4–5 inch white flowers every evening and cloudy day. Pkt., 10c.

2910 GIANT PINK. Soft lilac-pink flowers. Pkt., 10c.

Fragrant Nasturtiums

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8–10 days. Sow after frost danger is over.

APHIS ON NASTURTIUMS. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls (napthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

Tall, Double Fragrant Varieties

3735 GOLDEN GLEAM. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 45c; pkt., 10c.

3732 INDIAN CHIEF. Dark foliage and vivid scarlet flowers. Oz., 45c; pkt., 10c.

3734 MAHOGANY. Large double flowers of dark mahogany-red. Oz., 45c; pkt., 10c.

3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Oz., 45c; pkt., 10c.

3745 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. ¼ lb., $1.00; 1 oz., 35c; pkt., 15c.

Dwarf, Double Fragrant Varieties

3548 CHERRY ROSE. An excellent variety for cutting, and showy in the border. Flowers 2½ to 3 inches across of a soft cherry-rose are produced earlier than others. Very free flowering. Oz., 45c; pkt., 10c

3557 GARNET GEM. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an irridescent glow that is most pleasing. Oz. 45c; pkt., 10c.

3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 45c; pkt., 10c

3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. ¼ lb., $1.25; oz., 45c; pkt., 15c.

3570 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS. This mixture is put up by ourselves from named single and double varieties which have the richest and most varied colors. ¼ lb., $1.00; 1 oz., 35c; pkt., 15c.

Old-fashioned, Free Flowering Single

3575 SINGLE DWARF NASTURTIUMS MIXED. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. ¼ lb., $1.00; oz., 30c; pkt., 15c.

3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., $1.25; oz., 45c; pkt., 15c.

Home Greenhouse and House Plants From Seed, See Pages 48 and 49.

3404 **NICOTIANA** Orange Blossom. Pkt., **25c.**

Nicotiana

FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 50

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume. Seeds germinate in 20 days.

3390 AFFINIS. 2 ft. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 15c.

3392 AFFINIS HYBRIDS. 2 ft. Splendid hybrids in blue, red and rose shades. ¼ oz., 25c; pkt., 10c

3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3403 DAYLIGHT. 1–2 ft. The white blooms remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white fragrant flowers. Pkt., 35c.

NICOTIANA—Continued.

3404 ORANGE BLOSSOM (Miniature White). 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c.

3402 DAYLIGHT SENSATION MIXED. 1½–2 ft. This new strain provides a brilliant color range lacking heretofore. Bright scarlet, crimson rose, mahogany, violet, yellow, coral, lilac and white, are included. The blooms remain open day and night, unlike the standard nicotiana, which closes in sunlight. Pkt., 25c.

Annual Sunflowers

Helianthus Large Flowered

Seeds germinate in 15 days.

Culture: A or B, D or E, Page 50

2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c.

2713 SUN GOLD. 4 ft. Fully double flowers burst into bloom on the same day, 70 days after sowing. Pkt., 15c.

2725 RUSSIAN MAMMOTH. 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c.

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others. ½ oz., 25c; pkt., 10c.

Annuals for Shady Locations

Anchusa	Caleus	Nemaphila
Antirrhinum	Cynaglassum	Pansy
Begonia	Impatiens	Petunia, Small Fld.
Bellis Perennis	Linaria	Schizanthus
Canary Bird Vine	Myasotis	Stocks
Centaurea	Nasturtium	Tarenia
Clarkia	Nicotiana	Vialas

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c.

4370 **POPPY** Shirley Vaughan's Special Mixture Pkt., **15c.**

Shirley Poppies

Culture: A, Page 50

Sow them early—since they defy frosts— and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days.

They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

4277 AMERICAN LEGION. 2 ft. A dazzling orange-scarlet of enormous size ¼ oz., 35c; pkt., 10c.

4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 15c.

4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt., 10c.

4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors. 1 oz., $1.40; ½-oz., 75c; ¼ oz., 40c; pkt., 15c.

4251 PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c.

3894 **PANSIES** Voughan's Super Swiss Giant Mixed. Pkt., **35c.**

3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. 1/16 oz., $1.75; 1/8 oz., $3.00; pkt. . . **35c**

GIANT SWISS VARIETIES

3892 ALPENGLOW. Rich wine-red shades. Pkt., 35c

3891 BLUE (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 35c.

3820 CORONATION GOLD. The largest pure gold self. Pkt., 35c.

3897 DELFT BLUE. A delightful tone of translucent blue. Pkt., 35c.

3862 FIRE BEACON. Bright orange-red. Pkt., 35c.

3900 PURE WHITE. Pkt., 35c.

3893 YELLOW (RHEINGOLD). Rich yellow with blotches on the three lower petals. Pkt., 35c.

3901 SWISS RASPBERRY ROSE. See novelties Pkt., 50c.

3902 SWISS PANSY COLLECTION. 1 Pkt. each of above 8 varieties, regular value $2.95 for $2.75.

3891 **PANSY** Swiss Blue (Ullswater). Pkt., **35c.**

Giant Pansies

Culture A, B or C, Page 50

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

3903 VAUGHAN'S DWARF SUPER SWISS MIXED. For those who desire plants dwarfer than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

3775 BUTTERFLY HYBRIDS. A pastel strain with colors in pink, buff, overlaid in pink or bronze, orchid, lavender, yellow, from delicate pale gold to rich orange, pastel red, salmon, coral, rose, all overlaid with a delicate bronze. Pkt., (100 seeds)), 75c.

3840 TRIMARDEAU MIXTURE. It has a complete color range, of older varieties. 1/8 oz., $1.25; pkt., 15c.

3881 ENGELMANN'S GIANT. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 50c.

3830 PANSY TIGRESS. Although the flowers are rather small, red, yellow, orchid and purple coloring in novel striped and blotched arrangements, they create an effect that is both striking and unusual. The Pansy "face" is lacking in this variety. Pkt., 35c.

SPECIAL MIXTURES

3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. 1/16 oz., $1.75; 1/8 oz., $3.00. Pkt., 50c.

3875 VAUGHAN'S GIANT MIXTURE. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. 1/8 oz., $1.75; pkt., 25c.

4560 **RICINUS** Zanzibar Mixed. Pkt., **15c.**

Ricinus (Castor Bean)

Culture: A or B, D or E, Page 50

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days.

4544 BORBONIENSIS ARBOREUS. 15 ft. Immense plants with green foliage. Pkt., 10c.

4546 CRIMSON SPIRE. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red, seed spikes and seed pods are brilliant crimson. Most showy. 1/2 oz., 30c; pkt. 10c.

4570 MIXED. Many sorts. 1 oz., 50c; pkt., 10c.

4560 ZANZIBAR MIXED. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2 1/2 to 4 ft. across. Each plant a perfect pyramid. Oz., 50c; pkt., 15c.

PERIWINKLE—See Vinca.

4080 **PETUNIA** Tango. **50c.**

4066 **PETUNIA** Type of Dwarf California Giants Mixed. Pkt., **50c.**

Large Flowering Petunias

SINGLE FRINGED

4061 BALLERINA (F-1). See Novelties.

4049 DAINTY LADY. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. To protect this coloring, plant in light shade, as bright sunlight fades it. Pkt., 35c.

4084 IRENE. Glowing cherry scarlet, with yellow center, richly veined. Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.

4047 PURPLE BEAUTY. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 35c.

4069 RUFFLED MONSTERS. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, colors red and dark purple, richly marked and veined. Pkt., 50c.

4097 RUFFLED LITTLE GIANTS PINK FRILLS. (PINK SHADES). See Novelties.

4048 FRINGED SNOWSTORM. 20 in. Flowers white with yellow throat, 3-inch diameter and deeply fringed. Pkt., 35c.

4080 TANGO (F1HYBRID). Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Beautifully fringed flowers, 3½ to 4 inches across. A truly dwarf plant but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 in. high, with a spread of 2 ft. Very brilliant. Pkt., 50c.

4062 THEODOSIA. 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.

4066 DWARF CALIFORNIA GIANTS MIXED. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

4052 FRINGED WHITE MOUND. A low, compact mound of large fringed white blossoms. An excellent plant for cemetery. Pkt., 35c.

4051 RUFFLED LITTLE GIANTS MIXED. 8–10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. Pkt., 35c.

4051 **PETUNIA** Ruffled Little Giants Pkt., **35c.**

4077 SALMON BEAUTY. Giant flowers of true salmon pink, 5 to 7 in. across. Outstanding in our trials. Pkt., 35c

SINGLE PLAIN EDGE 12—16 IN.

The flowers of this type average 3 to 4 inches across.

4060 DAZZLER. A new, exceedingly brilliant, large flowering, low growing, vivid scarlet. Pkt., 35c

4099 DWARF PINK GLORY. A very large well formed flower of exquisite luminous pink with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.

4058 ELK'S PRIDE. RE-SELECTED. Velvety black-purple, one of best dark blues. Pkt., 25c.

4055 SNOW STORM. Glistening white, faintly yellow in the throat. Huge 4 to 5 in. flowers. Pkt., 35c.

4067 WHITE CLOUD. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

ILLUSTRATED ABOVE

4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt., 35c.

4100 VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt., (300 seed) 35c.

4065 GIANTS OF CALIFORNIA MIXED. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt., 25c.

4055 **PETUNIA** Snow Storm. Pkt., **35c.**

Small Flowering Single Petunias

Culture D or E, Page 50

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.

3939 **PETUNIA** All Double Sonata Pkt., **$1.00.**

ALL DOUBLE PAN AMERICAN STRAIN (Large Flowering)

3936 ALLEGRO IMPROVED. 18 in. Large fully double flowers of deep salmon pink have fringed petals, and enchanting form. Plants vigorous, compact. Pkt., $1.00.

3937 CAPRICE IMPROVED. 15 in. Deeply fringed flowers of bright rose are borne on compact dwarf plants. The favorite petunia color. Pkt., $1.00

3938 NOCTURNE. 18 in. Dark blue purple blossoms, with petals of plain edge, accent the beauty of lighter colors in border and in flower arrangements. Pkt., $1.00.

3934 RHAPSODY. Deep burgundy wine-purple flowers of good size, fully fringed and double on dwarf free branching plants. 100% large flowered. A new color in Petunias. Pkt., $1.00.

3939 SONATA. 18 in. Best All-double white. Large pure white double flowers with fringed petals, are borne on vigorous branching plants. Invaluable in all arrangements. Pkt., $1.00.

3940 ALL DOUBLE GLORIOUS MIXED. A formula blend including all the colors offered of this fine Petunia group, including the new variety Rhapsody. Pkt., $1.00.

ALL DOUBLE DWARF SMALL FLOWERING

3932 AMERICA (Improved). 1 ft. First All-double produced in America. Flowers of carnation form and size. 100% double, are borne on trim, compact plants, with small leaves free from sticky sap. Flowers average 2¼ inches. Pkt., (100 seeds), 50c; 1,000 seeds, $3.50.

3935 ALL DOUBLE ROSE MARIE. 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) $1.00.

3975 **PETUNIA** Howard's Star Improved. Pkt., **15c.**

SINGLE DWARF SMALL FLOWERING PETUNIAS 12 to 15 IN.

3996 ADMIRAL. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

4017 CELESTIAL ROSE. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c

4014 COMANCHE (F-1). Bronze Medal All America 1953. See Novelties.

3997 FIRE CHIEF. Winner of Gold Medal in All America trials, 1950. This is a dwarf, compact plant which bears single flowers of intense pure red, which develops its greatest brilliance when grown in a cool, sunny location. It is just the thing for the brightest group in your garden. Pkt., 25c.

4001 HEAVENLY BLUE RE-SELECTED. A silvery light blue. Varies about 10% in tone. Pkt., 25c

4007 GLOW. The richest red small flowered single petunia, a dwarf, bushy plant which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

4005 IMPROVED ROSY MORN. An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. 1/16 oz., 50c; pkt., 15c.

4022 KING HENRY. Compact, globular habit large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4019 LIPSTICK. See Novelties.

4023 PINK SENSATION (F-1). 24 in. A new type with tall, bushy plants, and flowers in profusion. The blossoms are large, of light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

4025 VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. ¼ oz., $1.25; 1/8 oz., 75c; pkt., 25c

3997 **PETUNIA** Fire Chief. Pkt., **25c.**

3996 **PETUNIA ADMIRAL.** Pkt., **50c.**

4012 ROSE CHARM (F-1). See Novelties.

4018 ROSE OF HEAVEN. Select Deep rose-pink, darker than Rosy Morn, with inconspicuous white throat. Unfading in hot sun. 1/16 oz., 50c; pkt., 25c.

4008 TOPAZ QUEEN. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. Recommended for sunny locations. Pkt., 25c.

3990 VIOLET QUEEN (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

4010 LINDA (IMPROVED SILVER MEDAL) (F-1). See Novelties.

4020 SNOWBALL IMPROVED. See Novelties.

4030 STARRED MIXTURE. Includes all varieties with a star of a contrasting color. Pkt., 25c.

BALCONY TYPE 18—24 IN.

Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely.

4037 BALCONY BLACK PRINCE. Dark rich crimson.

4036 BALCONY BLUE. Rich blue

4034 BALCONY RED.

4038 BALCONY ROYAL ROSE. A clear, warm rose.

4035 BALCONY WHITE.

Each of the above, pkt., 25c; any 3 for 65c.

4042 BALCONY MIXED. 1/16 oz., 60c; pkt., 25c

SINGLE SMALL FLOWERING PETUNIAS 18 TO 24 IN.

4006 FLAMING VELVET. A rich velvety crimson, best of its color in this class. Pkt., 35c

3975 HOWARD'S STAR IMPROVED. Red purple with white star. Pkt., 15c.

3995 FINEST MIXED. 1/8 oz., 50c; pkt., 10c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 50

4220 **PHLOX** Vaughon's Speciol Mixture. Pkt. **25c.**

4220 PHLOX, DRUMMONDI Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., $1.50; ⅛ oz., 80c; pkt..... **25c**

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days.

Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

4166 BLUE BEAUTY
4167 CRIMSON BEAUTY
4168 MAUVE BEAUTY
4169 PINK BEAUTY
4170 SALMON BEAUTY
4171 SCARLET BEAUTY
4172 VIOLET BEAUTY
4173 WHITE BEAUTY
Each of the above, pkt., 25c.

4174 BEAUTY MIXED, a formula blend Pkt., 25c.

4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. Pkt., 25c.

4207 GLOBE MIXED. Honorable Mention 1952 All America Selections. Pkt., 25c.

Giant Phlox

4103 GIGANTEA ART SHADES. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

TETRA PHLOX

4225 TETRA RED. 20 in. Plants are vigorous, well-branched, and bear profusely very large trusses of delicately scented, deep red flowers, 1¼ in. across. Pkt., 35c.

4226 TETRA SALMON. 1 ft. Florets, borne in clusters of 10 or more, are immense, up to 1¾ in. across, a clear light salmon-pink in pleasing contrast to a creamy-white eye. Highly desirable for mass effect or to combine with blue, lavender, white or deep red. Pkt., 35c.

4430 **PORTULACA** Single Mixed. Pkt., **15c.**

4455 **PORTULACA** Double Best Mixed. **20c**

Portulaca

Culture: A, D, Page 50

MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand Sow when ground is warmed. Seeds germinate in 20 days.

LARGE FLOWERING SINGLE

4426 SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring It is as free flowering as smaller varieties. Pkt . 25c.

4430 SINGLE MIXED. Oz., $3.50; ¼ oz., $1 10; ⅛ oz., 60c; pkt., 15c.

LARGE FLOWERING DOUBLE

4442 DOUBLE SCARLET GLOW. A brilliant orange scarlet of true double form Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer. Pkt., 25c.

4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. ¼ oz., $1.35; ⅛ oz., 75c; pkt., 20c.

4426 **PORTULACA** Jewel Pkt., **25c.**

Statice

(For Winter Bouquets)

Culture: D or E, Page 50

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

4806 SINUATA NEW HYBRIDS. 30 in. Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

WINDOW BOX MIXTURE

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season Pkt., 20c

Culture: A, D or E, Page 50

DOUBLE PURPOSE RUNNER BEANS

4766 SCARLET EMPEROR. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c.

Colorful Stocks

Culture: A or B, D or E, Page 50

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop.

BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft.

4949 BISMARCK MIXED. ⅛ oz., 90c; pkt., 15c.

DWARF LARGE-FLOWERING DOUBLE TEN WEEKS STOCK 12 IN.

4865 BEST MIXED. ⅛ oz., 50c; pkt., 10c.

STOCKS COLUMN NON-BRANCHING. See page 49.

Gold-veined Salpiglossis

Culture A or B, Page 50

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches. Seeds germinate in 8 days.

4625 EMPEROR MIXED. Large improved strain. Complete range of colors. ⅛ oz., 25c; pkt , 10c.

4630 VAUGHAN'S SPECIAL MIXTURE. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 40c; pkt., 15c.

4620 DWARF GIANT FLOWERED MIXED. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt , 20c.

4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt. **15c.**

5635 **TAHOKA** Daisy. Pkt., **25c.**

Tahoka Daisy, 20"

Culture: A or B, D or E, Page 50

5635 A beautiful lavender-blue Daisy with fern-like foliage, on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt. 25c.

4640 **SALVIA SPLENDENS** America, Pkt., **25c.**

4683 **SALVIA Farinacea** Blue Bedder (in Background). Pkt., **25c.**

5770 **VINCA White** (in Foreground). Pkt., **15c.**

Salvias

Culture: D or E, A or B, Page 50

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders Seeds germinate in 15–20 days.

SPLENDENS TYPE

4640 AMERICA, OR GLOBE OF FIRE 16 in Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4642 BRIGHTNESS. The plants grow as tall as the old Splendens. The habit is much more compact and the bloom is much earlier, starting about the same time as Bonfire. We consider it a great improvement on Splendens. Pkt , 25c.

4655 CLARA BEDMAN OR BONFIRE. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ⅛ oz., $1.00; pkt., 25c.

4656 ROSE FLAME. Rich coral pink which blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c

4669 ST. JOHN'S FIRE. See Novelties.

4667 VAUGHAN'S MASTERPIECE. 18 in. A dwarf early flowering variety. Massive scarlet spikes; even compact habit. Pkt , 25c.

OTHER SALVIAS

Culture: A or B, D or E, Page 50

4683 FARINACEA BLUE BEDDER. 2½–3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 25c.

See also Perennial Pages.

5645 **TORENIA FOURNIERI.** Pkt., **15c.**

Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 50

5645 FOURNIERI. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt , 15c.

Sensitive Plant

(Mimosa)

Culture: D or E, A or B, Page 50

3270 1 ft A pretty and curious foliage plant with leaves like those of the Acacia They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Seeds germinate in 10 days. Pkt , 10c.

Alpine Runnerless Strawberry

4828 BARON SOLEMACHER. This wonderful novelty has the largest berries in this strain. It makes no runners, flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

New Type Scabiosas

Culture: A or B, D or E, Page 50

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion. Seeds germinate in 20 days.

4735 **SCABIOSA Super Crown Imperial** Giont Mixed. Pkt., **25c.**

Super Crown Imperial Giant

4735 VAUGHAN'S SUPER CROWN IMPERIAL GIANT MIXED. An entirely new strain of this lovely flower. Larger than older kinds, the globular blossoms, 2½ to 3 inches across, are fully double, entirely eliminating the "pin cushion" center of older types, and displaying the full beauty of their broad, wavy petals The colors are soft and pleasing, in a complete range from white, salmon, coral, rose and red to various tones of blue. Plants stand 3 feet tall, and the flowers are borne erect on tall stems, making excellent cut flowers, as well as presenting an attractive garden display. Pkt., 25c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4722 OXFORD BLUE. 3 ft. A deep, rich campanula blue, far deeper than Ageratum Blue or Blue Moon, larger than any other variety to date. Pkt., 25c.

4728 SHASTA IMPROVED. Enormous white. Pkt., 15c.

4737 VAUGHAN'S MIXTURE OF SUPER-SCABIOSA. This is a balanced blend of named varieties, including all the delightful jewel-like colors of this flower, such as Amethyst Blue, Azure Fairy, Black Prince, Cherry Red, Salmon Rose, Oxford Blue, Peachblossom, Salmon Beauty, and others. ¼ oz., 60c; pkt., 25c.

DOUBLE SEMI-DWARF VARIETIES

4743 DWARF DOUBLE MIXED. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ⅛ oz., 35c; pkt., 10c.

4731 SCABIOSA BLUE MOON. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long strong stems. ideal for cutting. Pkt., 15c.

4731 **SCABIOSA BLUE MOON.** Pkt., **15c.**

4717 SCABIOSA CORAL MOON. 4 ft. In form here is another Blue Moon, a ball of broad frilled petals, but in varying shades of medium to deep salmon, clear and luminous. A lovely companion for its sister flower of sky-blue, with the same long, wiry stems. It blooms early and bears abundantly until killed by frost. Pkt., 25c.

See alsa Perennial Pages.

5265 **CUTHBERTSON** Sweet Peas, Mixture. Pkt., **20c.**

Sweet Peas that Flower in Hot Weather

CUTHBERTSON SWEET PEAS. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this spendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

10 Best Colors of this New Strain

5251 CAROL. Clear pink, white ground.
5252 COLINE. Scarlet.
5253 DAVID. Bright rose crimson.
5255 EVELYN. Salmon cream pink.
5258 JANET. Black seeded white.
5268 JIMMY. Deep scarlet. long stemmed, fragrant
5272 RONNIE. A deep orange. Requires some shade to bring out the rich color.
5273 RUTH. Rich deep rose-pink on white ground
5262 TOMMY. Clear medium blue.
5274 WANETA. New bright deep salmon, vivid.

Each af the abave, pkt., 20c.

5265 MIXED. A brilliant well-balanced blend. Pkt 20c; ½ oz., 65c; oz., $1.00.

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 15c.

5595 VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS. A Formula-blend made from named sorts, including the most fragrant varieties. This strain is recommended for all sections where Spring is late as they flower before the summer heat arrives 4 oz., $2.00; oz., 70c; pkt., 15c.

COLLECTION NO. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer, **Fragrant Varieties** Amethyst, Apollo, Blue Bird, Fragrance, Gardenia, Giant Rose, Harmony, Laddie Improved, Mrs. Herbert Hoover and White Harmony 75c.

SPENCER SWEET PEAS

5622 RUFFLED MIXED. An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Oz., 50c; pkt., 10c.

Vinca Rosea

(Periwinkle)

Culture: D or E, Page 50

Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after frost is over. Although most satisfactory in shade, it does equally well in hot sun. 1 ft. Seeds germinate in 10 days

5775 MIXED. Pkt., 15c. **5770 WHITE.** Pkt., 15c.

Tithonia

5644 TORCH. All America Silver Medal 1951. A dwarf form of this Mexican plant with brilliant orange-scarlet flowers, which in its native form often grows 12 feet tall Torch grows 3 to 4 feet tall and bears flowers of the same brilliance as the taller variety Firehall, but is much earlier to bloom. A tender annual, it stands the summer heat and seems free from all diseases Of compact upright bushy form, with luxuriant foliage and strong straight stems for cutting, as well as for brilliant garden display. Pkt., 25c.

5738 **VERBENA** Sparkle Pkt., 35c.

New Bright Red DWARF

5738 VERBENA SPARKLE. A bright scarlet red greatly intensified by a gleaming white eye. Large size blooms so tightly arranged they give the effect of a solid mass of color. The plants are of uniform and compact growth and the bloom is freely produced throughout the entire season. 7 in. Pkt., 35c.

Verbenas grow quickly to flowering size and continue to bloom until frost kills the plants. Varieties of the spreading type are often used as ground cover beneath gladioli, lilies and other tall growers, or as a border to shrubbery plantings. They also make excellent window box subjects.

"I must tell you what a wonderful bedding plant Snowball Improved Petunia is, never straggly and always in bloom
H. J. G. (Illinois)"

Hardy Violas

Culture: A or B, Page 50

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

CORNUTA TYPE—10 IN.

5785 ADMIRATION. Violet-blue. Pkt., 15c.

5789A BLUE BEAUTY. Bright blue. Pkt., 15c.

5790 BLUE PERFECTION. Light blue. Pkt., 20c.

5804 CHANTREYLAND. Apricot. Pkt., 25c.

5796 JERSEY GEM. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.

5802A KING HENRY (Purple King). A deep purple violet with yellow eye. Pkt., 25c.

5806 WHITE PERFECTION. Finest white. Pkt., 20c.

CORNUTA HYBRIDA (LARGE FLOWERS)

5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

Verbenas

Culture: D or E, A or B, Page 50

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds, and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

5701 GIGANTEA ALBA. Pure white. Very fragrant.

5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5721 SALMON KING. A pleasing shade of clear deep salmon. Florets larger by comparison with any other variety of Verbena. The plant habit is of tight compact growth, eliminating the open centers. Pkt., 25c.

5710 —SPECTRUM RED. Intense bright red.

5720 VIVID. The most brilliant sunproof scarlet; brighter and more intense in color than Spectrum Red. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. The tight compact growth eliminating the open centers. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any three pkts. for 35c.

5708 GIGANTEA MIXED. A wonderful mixture of large flowering varieties. Pkt., 15c.

5744 DWARF VAUGHAN'S SPECIAL MIXTURE. 6 in. A formula blend of dwarf compact varieties. A gay mixture of bright colors. Plants come into flower when quite small and the blooms are freely produced through the entire season. Particularly striking for mass plantings or in the garden border. Pkt., 25c

BUSH TYPE

Plants are of uniform bushy habit about 8 to 10 in. high and 12 to 15 in. across, with flower heads practically touching each other. Most suitable for borders.

5725 FIRELIGHT. The most vivid red Verbena. The bushy, even growth provides masses of closely spaced blooms which achieve a carpet of fiery brilliance unequaled in any other border or bedding plant. Pkt., 25c.

5714 GIANT SALMON QUEEN. 8–10 in. Its unique habit of growth makes it outstanding. The plants form compact, flat-topped bushes. The large flower heads are bright salmon-pink, white eye. Pkt., 25c.

5724 SNOW WHITE. A fine large-flowered pure white. Plants at full growth are 8 to 10 inches high and 12 to 15 in. across. Snow White, with its closely spaced trusses of bloom, is an excellent addition to this fine strain. Pkt., 25c.

5805 **VIOLA CORNUTA.** Yellow Gem. Pkt., **20c.** 5790 **BLUE PERFECTION.** Pkt., **20c.** 5804 **CHANTREYLAND.** Pkt., **25c.** 5806 **WHITE PERFECTION.** Pkt., **20c.** 5814 **COLLECTION.** 1 Pkt. each of 4 above Violas, **60c.**

5697 VERBENA COLLECTION
1 pkt., each: 5716 Roselight, 5715 Starlight, 7525 Firelight. Value 75c for 60c.

VERBENAS BUSH TYPE—Continued.

5715 STARLIGHT. 10 in. A bright mid-blue with white eye. Plants of uniform bushy habit with flower heads touching each other. Pkt., 25c.

5716 ROSELIGHT. A bright rose-pink with white eye giving a color effect similar to the popular Rosy Morn Petunia. Profusely blooming and of uniform erect bushy habit. Pkt., 25c.

5726 MIXED. A balanced mixture which includes the above and special selections from the introducer's breeding grounds. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. ⅛ oz., 65c; large pkt., 25c; pkt., 15c.

The Peppermint Stick Zinnia was such a joy to watch, no two alike and just the right size.
Mrs. D. (Mass.)

5790A CHINESE BLUE. A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

MISCELLANEOUS VIOLAS

5797 JOHNNY-JUMP-UP OR VIOLA TRICOLOR. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than others and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.

5811A NIGRA OR BLACK IMP. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

5805 YELLOW GEM. Free flowering clear yellow of compact habit. Pkt., 20c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c.

Decorative Zinnias

Midget Zinnias

6126 VAUGHAN'S MIXTURE OF MIDGET ZINNIAS. (MEXICANA TYPE). 1 ft. Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. ⅛ oz., 50c; pkt., 15c.

6043 PERSIAN CARPET. See Novelties.

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 CUPID MIXED. ⅛ oz., 35c; pkt., 15c.

6173 VAUGHAN'S NOVELTY MIXTURE. All the new types of Zinnias such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.

6050 **ZINNIA** Lilliput Tom Thumb Mixed. Pkt., **15c.**

Tom Thumb Zinnias

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 65c; pkt., 15c.

Scabiosa Flowered

6159 MIXED. 2½ ft. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. ¼ oz., 70c; pkt., 15c; 3 pkts., 40c.

Culture: A or B, D or E, Page 50

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. Seeds germinate in 5–7 days.

CUT-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 SNOW BALL.

6100 WATERMELON PINK. A very pleasing and charming shade of salmon-rose.

6097 PINKIE. Rose-pink.

Each of the above, pkt., 15c; 2 pkts. for 25c.

6105 PUMILA VAUGHAN'S SPECIAL MIXED. Oz., $1.50; ¼ oz., 50c. Pkt., 15c.

6099 SUNSHINE TINTS. New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.

6110 **ZINNIA** Red Riding Hood. Pkt., **15c.**

A Favorite Border Plant

6110 RED RIDING HOOD. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., $2.50; ¼ oz., 75c; ⅛ oz., 40c; pkt., 15c.

Fantasy Type

2½ ft. shaggy, ray-like petals, like Cactus Dahlia

5910 MELODY. A rich soft orchid lavender, the medium sized flowers have finely curled and twisted petals, light and dainty in appearance. Free blooming, coming into flower early and giving continuous bloom through the summer months. Pkt., 25c.

5912 ORANGE LADY. Bright deep orange.

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow.

5913 WHITE LIGHT. Pure white.

5914 WILDFIRE. Rich dazzling scarlet.

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c., pkt., 15c.

6180 PEPPERMINT STICK MIXED. See Novelties. Pkt., 25c

6075 **ZINNIA** Lilliput, Vaughan's Special Mixed. Pkt., **15c.**

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 BLACK RUBY. Rich deep maroon.

6052 BRIGHT PINK. **6064 PURPLE.**

6073 CANARY YELLOW. **6065 SALMON ROSE GEM.**

6061 CRIMSON GEM.

6066 SCARLET GEM.

6053 DAINTY GEM. Gay, bicolor rose flowers.

6062 GOLDEN ORANGE. **6067 WHITE GEM.**

6068 ROSE BUD. Rose-pink.

6069 VALENCIA. A real deep burnt orange.

Each of above, pkt., 15c; any 2 pkts., 25c.

6075 LILLIPUT VAUGHAN'S SPECIAL MIXED. All above and others. Oz., $1.75, ¼ oz., 65c, pkt., 15c.

6070 LILLIPUT PASTEL MIXTURE. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

The flowers of Marigold Naughty Marietta were most attractive, with their changing tints; lasting so well on the plants and when used as cutflowers in bouquets. They provided a constant bloom in the border until killed by frost. F. H. (Missouri)

5910 **ZINNIA FANTASY MELODY.** Pkt., **25c.**

5895 **SUPER GIANT VAUGHAN'S SPECIAL MIXTURE.** Pkt., **25c.**

Giants of New Race

5895 SUPER GIANTS, VAUGHAN'S SPECIAL MIXTURE. A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. Flowers grow 5½ to 6½ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.

New Cactus Hybrids

5857 ZINNIA FLORADALE SCARLET. Although among the largest of modern Zinnias, this intense scarlet-red flower is unusually graceful in form, with twisted and quilled petals that give it an informal air without any trace of stiffness. Strong vigorous stems up to 30 in. tall, with flowers often measuring 5 in. across. Pkt., 25c.

6038 ZINNIA RIVERSIDE BEAUTY. 2 ft. Flowers of warm azalea-pink which often measure 5 inches in diameter have curled and twisted petals informally arranged. It is entirely free from stiffness and charming in effect, whether as a cut flower, or growing in the border. Pkt., 25c.

5857 **ZINNIA** Floradale Scarlet. Pkt., **25c.**

6127 **ZINNIA.** Linearis. Pkt., **15c.**

Smallest Zinnia

6127 LINEARIS. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.

All-Type Zinnia Collection

9 Packets ($1.40 value) $1.00

6185 ALL-TYPE ZINNIA COLLECTION. So varied are the forms and colors of the zinnia, an entire garden can be planted with this native American flower. Illustrated above are nine distinct forms, varying from dwarfs to giants, bearing small flowers and large, capable of filling every garden role. One packet each of the following 9 varieties are included in this collection: Dahlia Flowered Gold Medal Mixture; Fantasy Mixed; Cupid Mixture; Pumila Vaughan's Special Mixtures; Lilliput Vaughan's Special Mixture; Scabiosa Flowered Mixed; Vaughan's Midget (Mexicana) Mixture; California Giants Vaughan's Special Mixture; Super Giant Vaughan's Special Mixture. All nine packets, (value $1.40) for $1.00.

5893 ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES. This is intended for the cutting garden and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

5891 ZINNIA DAVID BURPEE. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting, a "Surprise Garden Mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

6133 **ZINNIA** Crimson Monarch. Pkt., **15c.**

California Giants

They are larger than Colossal and a cross between that and the Dahlia Flowered types. They have smaller flat centers with petals more loosely placed. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 BRIGHTNESS. A bright, deep rose.
6164 CHERRY QUEEN. Brilliant cherry.
6162A CRIMSON QUEEN. Rich crimson.
6161A DAFFODIL. Canary yellow.
6162 ENCHANTRESS. Light rose, deep rose center.
6169 GOLDEN QUEEN. Golden yellow.
6146 GRENADIER. Bright dark red.
6147 LAVENDER GEM. Rosy lavender.
6163 MISS WILMOTT. Soft pink.
6151 ORANGE KING. Orange scarlet.
6153 PURITY. A clean pure white.
6166 ROSE QUEEN. Warm, deep rose.
6154 SALMON QUEEN. Salmon apricot.
6165 SCARLET QUEEN. Glowing scarlet.
6149 VIOLET QUEEN. Deep purple.

Each of the abave, pkt., 15c; any 4 pkts. for 50c.

6168 **ZINNIA** Isabellina. Pkt., **25c.**

6168 ISABELLINA. A beautiful soft cream-yellow, blending well in all color combinations in the garden or in flower arrangements. For many years unobtainable, we are again able to offer seed. Pkt., 25c.

ALL THE ABOVE AND OTHERS IN MIXTURE

6156 CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE. This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets. Oz., $2.50; ¼ oz., 75c; pkt., 15c.

6134 **ZINNIA** Dream. Pkt., **15c.**

Dahlia Type Zinnias

6171 6 PACKETS, CATALOG VALUE 90c.
One each of Crimson Monarch, Polar Bear, Illumination, Oriole, Royal Purple and Eldorado, prepaid **50c**

Zinnia seed should not be sown until the ground is warm. Seeds germinate in 7 days. In fertilized soil and watered freely, flowers will be more completely double.

GIANT DAHLIA FLOWERED ZINNIAS 2 TO 3 FT.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter.

6131 CANARY BIRD. Rich canary yellow.
6133 CRIMSON MONARCH. Rich crimson, largest and best of red shades.
6134 DREAM. A fine, deep rosy lavender
6134A ELDORADO. Salmon apricot.
6135 EXQUISITE. Color light rose with center a deep rose.
6137 GOLDEN DAWN. Beautiful shade of golden-yellow.
6130 ILLUMINATION. A striking self-color of deep rose.
6130A LUMINOSA. Bright pink.
6142 METEOR. A rich glowing deep red, darkest of all red shades.
6138 ORIOLE. An immense orange and gold bicolor.
6139 POLAR BEAR. A very large pure white, the best white.
6143 ROYAL PURPLE. A deep rich reddish purple.
6141 SCARLET FLAME. Bright scarlet.
6143A WILL ROGERS. Most beautiful scarlet red.

Each af abave ..... **Any four pkts., 50c; pkt., 15c.**

6145 GIANT DAHLIA FLOWERED, GOLD MEDAL MIXED. All the above and others, including a bewildering variety of delightful colors, all giant flowers. Seeds germinate quickly in warm soil and flowers begin in a few weeks. A mass planting not only decorates the border, but the home as well. Oz., $2.50; ¼ oz., 75c; pkt. **15c**

Two-Tone Pastel Mixture

5901 SUPER CROWN OF GOLD PASTEL TINTS. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

All Giant Zinnia Mixture

6170 VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS. This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. Oz., $2.50; ¼ oz., 75c; pkt. **25c**

Vaughan's Perennial Flower Seeds

If sown in the early spring, perennial flowers will grow into sturdy plants by fall and if moved then to their permanent places they will give normal bloom the following summer. Some varieties will bloom in the fall of the year they are planted. To grow your own perennials from seed enables you to have an abundance of plants for small outlay, plus the knowledge that your skill and effort produced them.

7055 **ALYSSUM,** Saxatile Compactum. Pkt., **15c.**

Achillea (Yarrow)

Culture: D or E, Page 50

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days.

7008 EUPATORIUM FILIPENDULA, PARKER'S VARIETY. 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets. Pkt., 15c.

7010 THE PEARL. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

Aconitum (Monkshood)

Culture: C, Page 50

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 BARKER'S VARIETY. 6 ft. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7020 NAPELLUS. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c.

7025 WILSONI. 6-7 ft. Sept-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Agrostemma

Culture: E, D or C, Page 50

7048 CORONARIA ATRO-SANGUINEA. 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Germinates in 20-30 days. Pkt., 10c.

Alyssum (Madwort)

Culture: B, D or E, Page 50

Seeds germinate in 5-10 days.

7054 ARGENTEUM. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt , 15c

7056 —COMPACTUM SULPHUREUM CITRINUM. Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7057 ROCK GARDEN VARIETIES MIXED. Many rare species in mixture. Pkt., 15c.

Columbine

(Aquilegia)

Culture: B, C, D or E, Page 50

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in any fairly rich soil. Seeds germinate in 30 days.

7150 MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c.

7144 **AQUILEGIA** Longissimo Hybrids. Pkt., **50c.**

AQUILEGIA—Continued

7151 DOBBIE'S IMPERIAL HYBRIDS. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7160 CELESTIAL BLUE. Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7156 LONG-SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.

7158 LONG-SPURRED BLUE. Splendid selection from light to dark blue. Pkt., 35c.

7157 LONG-SPURRED COPPER QUEEN. Lovely deep copper with long spurs of deeper hue. Pkt., 50c.

7159 LONG-SPURRED ORANGE AND SCARLET. 35c.

7152 VAUGHAN'S SUPERLONG-SPURRED MIXTURE. 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Pkt., 50c.

7150 **AQUILEGIA,** Mrs. Scott Elliott's Strain. Pkt., **25c.**

7197 **ARABIS** Alpino Roseo. Pkt., **35c.**

AQUILEGIA—Continued

7119 ALPINA. Powder blue. 2 ft. April-July. Pkt., 15c.

7125 CHRYSANTHA. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 —SILVER QUEEN. 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 CLEMATIFLORA MIXED. Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7140 COERULEA (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 COERULEA MRS. NICHOLLS. This is a glorified Rocky Mountain with larger flowers. Pkt., 50c.

7145 —ROSEA (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7165 JAETSCHAUI. Large yellow flower with peach-red spurs. A color combination so popular in the Rose Talisman. Pkt., 25c.

7143 LONGISSIMA. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 LONGISSIMA HYBRIDS. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

7190 AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. Pkt., 25c

Anchusa

(African Forget-Me-Not)

Culture: B, D or E, Page 50

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days.

7070 ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gentian flowers. Pkt , 15c.

7069 —LISSADELL. 6 ft. Large, Gentian-blue. 25c.

7071 —FELTHAM PRIDE. Bright blue. Pkt., 25c.

7073 MYOSOTIDIFLORA. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt., 35c.

Arabis (Rock Cress)

Culture: D or E, Page 50

Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days.

7195 ALPINA. 1 ft. April. Pure white. Pkt., 10c.

7197 —ROSEA. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7198 SNOW CAP. Shining snow white compact cushions. Pkt., 25c.

7199 SPRING CHARM. Compact bushy plants covered with blossoms of intense carmine. Coming into flower early, it provides a bright splash of color in the rock garden. 8 in. Pkt., 35c.

8080 **CANDYTUFT** Sempervirens, Pkt., **25c.**

Anemone (Windflower)

Culture: B, C, D or E, Page 50

Seeds germinate in 15-20 days.

7080 CORONARIA ST. BRIGID'S STRAIN. 12 in. May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., **20c.**

7090 PULSATILLA (PASQUE FLOWER). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Pkt., 25c.

Anthemis (Marguerite)

Culture: B, D or E, Page 50

Seeds germinate in 8 days.

7110 KELWAYI. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7112 SANCTA JOHANNIS. Brilliant yellow flowers about 1¼ in. in diameter, borne singly on straight stiff leafless stems, 9 to 12 in. in length. Especially good for cutting. Pkt., 25c.

7114 TINCTORIA, PERRY'S VARIETY. 2 ft. Large lemon-yellow Daisies, bloom all summer. Pkt., 25c.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 50

Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days.

7206 GLORY OF HOLLAND GIANT PINK. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 50

7220 TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. Pkt., 25c.

Hardy Asters

Culture: B, D or E, Page 50

DWARF ALPINES

7226 ALPINUS GOLIATH. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 AMELLUS HYBRIDUS. New named varieties, finest mixed. Pkt., 25c.

7225 PERENNIAL, LARGE-FLOWERING MIXED. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Aubrietia

Culture: B, D or E, Page 50

One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.

7231 EYRII. Fine large blue. Pkt., 25c.
7232 GRAECA. Light blue, dwarf. Pkt., 25c.
7230 LARGE FLOWERED HYBRIDS, MIXED. A wonderfully fine strain, good range of colors. Pkt., 25c.

Baptisia

Culture: B, C, D or E, Page 50

7235 AUSTRALIS (FALSE INDIGO). Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 10c.

Boltonia (False Chamomile)

Culture: B, D or E, Page 50

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.

7250 LATISQUAMA. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

7225 **ASTER** Perennial Large Flowering Mixed. Pkt., **25c.**

CANDYTUFT (Iberis)

Culture: A, B, D or E, Page 50

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

8075 GIBRALTARICA. Pinkish white. Pkt., 10c.
8080 SEMPERVIRENS. Sheet of white. Pkt., 25c.

Campanulas

Culture: B, D or E, Page 50

This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. Seeds germinate in 8-10 days.

Canterbury Bells

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year and the plant then dies. To keep up a yearly display they should be sown annually. 36 in.

DOUBLE		SINGLE	
7320	BLUE.	7300	BLUE.
7325	PINK.	7301	LILAC.
7315	WHITE.	7305	PINK.
7330	MIXED.	7295	WHITE.
		7310	MIXED.

Each of the above, pkt., 10c.

CUP AND SAUCER

7270 CALYCANTHEMA MIXED. 2 ft. June-Aug.

7285	—BLUE.	7280	—PINK.
7284	—LILAC.	7275	—WHITE.

Each of the above, pkt., 10c.

7220 **ASCLEPIAS.** Tuberosa. Pkt., 25c.

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing each year.

7260 CARPATICA (HAREBELL) BLUE. 9 in. June to Aug. Forms cup-shaped, upright blooms of a light violet-blue. Likes partial shade. Pkt., 10c.
7331 GARGANICA. Beautiful star-shaped sky-blue flowers cover the trailing plants. Pkt., 15c.
7335 LACTIFLORA COERULEA. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.
7344 PERSICIFOLIA (PEACH BELLS). BLUE. 2-3 ft. June-July. Fine border plant. Pkt., 25c.
7345 —ALBA. White. Pkt., 25c.
7347 —WEDGEWOOD. Large flowers of deep violet blue. Does well in full sun or partial shade. Pkt., 35c
7350 —MIXED. Blue and white. Pkt., 25c.
7367 RAPUNCULOIDES. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A hedge of bloom. Pkt., 20c.
7355 PYRAMIDALIS (CHIMNEY BELLFLOWER). BLUE. 5-6 ft. August-Sept. Pkt., 10c.
7360 —ALBA. White. Pkt., 15c.
7370 VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS. A grand assortment of all varieties, Pkt., 25c.

7270 **CAMPANULA,** Medium Calyconthema Mixed. Pkt., **10c.**

7401 **CARNATION,** Grenadin Mixed. Pkt., **25c.**

Garden Carnations

Culture: B, D or E, Page 50

GRENADIN-20 in.

A valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate in 10–15 days

7390 KING OF THE BLACKS. Darkest red, very fine. Pkt., 25c

7398 GOLDEN SUN. Early flowering, very double, large clear yellow flowers. Pkt., 35c

7395 RED. Pkt., 25c **7400 WHITE.** Pkt., 25c.

7385 TRIUMPH ROSE. Pkt., 25c.

7399 WHITE GOLD. Soft yellow. Pkt., 25c.

7401 MIXED. Pkt., 25c

7396 DWARF BRIGHT SCARLET. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

VIENNA DWARF CARNATIONS

They grow evenly about 14 inches tall, are extra-double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 MIXED. Pkt., 25c.

Centaurea

(Hardheads, Knapweed)

Culture: B, D or E, Page 50

7428 HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Seeds germinate in 8 days. Pkt., 15e.

Coreopsis

Culture: B, D or E, Page 50

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer. Seeds germinate in 8 days

7493 DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double Pkt., 25c.

7495 LANCEOLATA GRANDIFLORA. 2 ft. June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 MAYFIELD GIANTS. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 20c.

DELPHINIUM

7569 WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double Pkt., 50c

7571 DELPHINIUM VAUGHAN'S SPECIAL MIXTURE. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c

See also Novelties.

Shasta Daisies

Culture: B, D or E, Page 50

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seeds, which germinate in 8 days.

7500 ALASKA. 2–2½ feet. Splendid for cutting. Pkt., 10c

7464 SHASTA DAISY G. MARCONI RESELECTED (Double). The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long Pkt., 50c

7504 GIANT DOUBLE SHASTA DAISY. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c.

7462 MAXIMUM CONQUEROR. June 2⅔ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7464 **SHASTA DAISY,** Marconi Reselected. Pkt., **50c.**

Dianthus Barbatus

Single Sweet William 18-24 in.

Culture: B, D or E, Page 50

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7670 ATRO-SANGUINEUS. Blood-red. Pkt., 10c.

7650 GIANT WHITE "SPECIAL." 1½–2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June Pkt., 25c.

7659 HOMELAND. Dark red with large sharply defined, clear white center. Pkt., 35c.

7660 NEWPORT PINK. Salmon-pink. Pkt., 15c.

7635 SCARLET BEAUTY. Vivid orange or salmon scarlet Pkt., 15c

7685 SINGLE GIANT-FLOWERED MIXED. Pkt., 10e.

7688 SINGLE DWARF "MIDGET" MIXED. 3-4 in. Alpine Sweet William of compact habit. Blooms are quite large and almost entirely cover foliage. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms being tri-colored. Excellent for the perennial border. Pkt., 25e.

DOUBLE VARIETIES

Seedings of all double Sweet William produce about 40% of single blooming plants.

7710 GIANT DOUBLE MIXED. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied Pkt. 20c

7711 MIDGET DOUBLE DWARF MIXED. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c

7712 DOUBLE DWARF DARK CRIMSON. A selection from the popular Midget Mixed Pkt., 25c

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

NEW EVERBLOOMING SWEET WILLIAM

7578 LATIFOLIUS ATROCOCCINEUS FLORE PLENO. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower Pkt., 15c

Hardy Pinks

(Dianthus)

Culture: B, D or E, Page 50

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation Seeds germinate in 8–10 days.

7576 ×ALLWOODI ALPINUS. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c.

7575 ALLWOODI MIXED. 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25e.

7580 ×CAESIUS (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A DELIGHT. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25e.

7582 ×DELTOIDES BRILLIANT (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25e.

7581 KNAPPII. A yellow "Hardy Pink", unusual color for this family Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25e.

7631 LOVELINESS. The flowers have large laciniated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt., 25c.

7587 BEST ROCK GARDEN VARIETIES MIXED. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices. Pkt., 25c.

7592 WINTERI. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

PLUMARIUS is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7605 DWARF EARLY FLOWERING MIXED. A colorful mixture, fine for Rock gardens. 1 ft. Pkt., 25c.

7585 HIGHLAND HYBRIDS. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned Pkt., 35c.

7590 ×CYCLOPS RED HYBRIDS (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7599 ESSEX PINK. A specialists' selection from the popular Highland Hybrids. Beautifully marked flowers in a wide color range, borne on stiff wiry stems, 15 to 20 in. long. Pkt., 25c.

7620 ×SEMPERFLORENS DOUBLE MIXED. Fine for cutting. Pkt., 15c.

7632 SCOTICUS DOUBLE SPECIAL STRAIN. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 ×SPRING BEAUTY. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25e.

7615 ×SINGLE MIXED. Delicately fringed. Pkt., 10e.

7625 ×VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c.

7688 **DIANTHUS BARBATUS SINGLE DWARF,** "Midget" Mixed, Pkt., **25e.**

7768 **DIGITALIS,** Shirley Hybrids. Pkt., **25c.**

Digitalis (Foxglove)

Culture: B, D or E, Page 50

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10–15 days.

7745 GLOXINIAEFLORA MIXED COLORS. Pkt., 10c.

7768 —THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c.

7753 EXCELSIOR MIXED. A blend of unusual shades, many of the florets are strikingly marked. The flower spikes are from 4 to 5 ft. in height and the individual florets are horizontally set around the stem, instead of the usual drooping effect so common to Digitalis. Very free flowering Pkt., 35c.

7750 GRANDIFLORA OR AMBIGUA. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and other colors. Pkt., 15c.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 50

7718 EXIMIA (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.

Dictamnus (Gas Plant)

Culture: B or C, Page 50

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

7725 —ALBUS. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.

8259 NATIVE WILD FLOWER MIXTURE. For Sun or Shade. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt..... **25c**

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 50

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days. Pkt., 35c.

Euphorbia

Culture: B, D or E, Page 50

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 50

Seeds germinate in 20 days.

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7810 —MIXED. Composite flowers variegated with shades of red and yellow. Pkt., 10c.

7812 **GAILLARDIA,** Burgundy. Pkt., **25c.**

Geum

Culture: B or C, D or E, Page 50

Seeds germinate in 10 days.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.

7854 PRINCE OF ORANGE. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy)

Culture: D or E, Page 50

Seeds germinate in 12 days.

7846 JAMESONI HYBRIDS (FLOWERLAND STRAIN). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.

7780 **DORONICUM,** Caucasicum Magnificum. Pkt., **35c.**

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 50

Seeds germinate in 12 days.

7861 MANGINI. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 OLDHAMIANA. 3 ft. The buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c.

7867 PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

7860 PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Pkt., 25c.

7865 —(BABY'S BREATH). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 REPENS ROSEA. 6 in. Attractive pink. 15c.

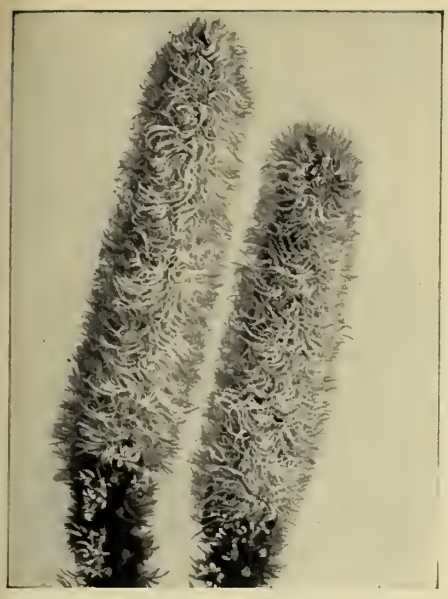
7862 REPENS DWARF WHITE. Pkt., 15c.

Helianthemum

Culture: C, Page 50

7906 MUTABILE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days. Pkt., 15c.

7855 **GEUM,** Mrs. Bradshaw. Pkt., **25c.**



8117A **LIATRIS** September Glory. Pkt., **25c.**

Helenium (Sneezewort)

Culture: B, D or E, Page 50

7890 RIVERTON GEM. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days. Pkt., 25c.

Helleborus

7917 NIGER (CHRISTMAS ROSE). 10 in. A rare interesting perennial which blooms in winter or early spring. Flowers of white. Although a difficult subject, it is well worth the effort. Pkt., 35c

Hemerocallis

Culture: A, B, C or D, Page 50

7922 PEERLESS BLEND. A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 30–40 days. Pkt., 25c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 50

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 PURPUREA. Lilac. Pkt., 10c.
7935 —ALBA. White. Pkt., 10c.

Heuchera (Coralbells)

Culture: B, D or E, Page 50

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

7940 SANGUINEA. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.
7943 —NEW HYBRIDS MIXED. All shades of red and coral pink. Large and free flowering. Pkt., **25c.**
7941 —SPLENDENS. Vermillion. Pkt., 25c.

Hibiscus (Rose Mallow)

Culture: B, D or E, Page 50

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

7947 AVALON HYBRID. 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. Pkt., 25c.
7950 GOLDEN BOWL. 3 ft. Deep cream, with a velvety maroon center. Pkt., 10c.
7946 MALLOW MARVELS RED. 3 ft. Pkt., 15c.
7960 MALLOW MARVELS, MIXED. 3-5 ft. Pkt., 15c.

Hollyhocks

Culture: B, D or E, Page 50

Hollyhocks are most decorative and indispensable to the garden picture. Following Delphiniums in the border show they have a long season of bloom which can be prolonged by picking off faded flowers. A second crop will come if the first stalks are cut back. They need a well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants. Seeds germinate in 8 days.

DOUBLE VARIETIES

8005 NEWPORT PINK. The finest pure pink. Pkt., 10c.
8006 DOUBLE CERISE BEAUTY. 6 ft. Color a brilliant cerise, a selection from the popular Double Newport Pink. Pkt., 25c.
8003 DOUBLE ORANGE PRINCE. 6 ft. Well shaped background petals of clear yellow with rosette of blushing orange in the center Pkt., 25c.
8008 BEGONIA FLOWERED IMPERATOR MIXED. Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c.
8009 DOUBLE TRIUMPH MIXED. Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 15c.
8015 VAUGHAN'S PRIZE DOUBLE MIXTURE. Finest shades in perfect flowers. ⅛ oz., 50c; pkt., 15c.
8016 VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains. Pkt., 25c.

SINGLE VARIETIES

More permanent and hardy than the double.

8055 MIXED. ¼ oz., 30c; pkt., 10c.

ANNUAL HOLLYHOCKS—See Page 26.

GROW IRIS FROM SEED

Culture: A, B or C, Page 50

Seed germinates in 20-30 days.

8090 GIANT BEARDED. These are the large flowered, named "Bearded" or "German" Irises of our gardens. Our seed has been saved from a fine collection of seedlings and should show a remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawnies, rose shades, copper and wine shadings. Pkt., 35c.
8089 KAEMPFERI. Special strain. Seed was saved from a grand exhibtion collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.
8092 SIBERIAN. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c
8091 DICHOTOMA (AUGUST OR VESPER IRIS). Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 20c.

For Iris plants see Index.

7943 **HEUCHERA,** Sanguineo New Hybrids. Pkt., **25c.**

8171 **LUPINUS** Polyphyllus Russell Mixture. Pkt., **25c.**

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 50

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days.

8100 PINK BEAUTY. Pale pink variety. Pkt., 10c.
8105 RUBRA. Bright rosy crimson. Pkt., 10c.
8110 WHITE PEARL. Large white. Pkt., 10c.
8115 MIXED. A special blending of the colors available in this fine climber. Large pkt., 15c.

Lavender (Lavandula)

Culture: B, D or E, Page 50

8117 MUNSTEAD STRAIN. 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c.

Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 50

8117A SCARIOSA SEPTEMBER GLORY. A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days. Pkt., 25c.

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days.

8158A LONGIFLORUM PRAECOX WHITE QUEEN. Produces long trumpet-shaped flowers of clear white. Pkt., 25c.
8159 PHILIPPINENSE FORMOSANUM SNOWDRIFT. Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.
8162 REGALE (THE ROYAL LILY). 3½ ft. King of lilies of northern gardens. Trumpets glossy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c.
8163 TENUIFOLIUM (CORAL LILY OF SIBERIA). 24 in. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., 25c.
8161 TIGRINUM. The brilliant orange "Tiger Lily" with its striking brownish spots. A long-time garden favorite, again available Pkt., 25c
8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Lilium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

For bulbs of Lilies see Index

8279 **POPPY,** Nudicaule Vaughans Special Mixture. Pkt., **25c.**

Linum (Flax) 12 to 18 in.

Culture: C, Page 50

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days.

8134 LINUM COLLINUM. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 FLAVUM. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —COMPACTUM NANUM. A glowing golden yellow, blooms for months. Pkt., 25c.

8127 NARBONENSE HEAVENLY BLUE. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8125 PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lobelia

Culture: B, C, D or E, Page 50

8145 CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days. Pkt., 15c.

For Winter Bouquets

Culture: B, D or E, Page 50

8150 LUNARIA BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 10c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 50

Inoculate Lupin seed with Nitragin. Two garden sizes, 15c and 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 FAMOUS RUSSELL STRAIN, MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c.

8179 VAUGHAN'S SPECIAL MIXTURE. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis

Culture: B, D or E, Page 50

Seeds germinate in 10-12 days.

8190 CHALCEDONICA (MALTESE CROSS). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8221 LYTHRUM THE BEACON IMPROVED. 3½ ft. Spikes of carmine red flowers. Pkt., 25c.

8220 —ROSEUM SUPERBUM. 4 ft. Rose-pink. 10c.

Culture: B, D or E, Page 50

8245 MYOSOTIS PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. Pkt., 25c.

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 50

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 BARBATUS. Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

Phlox Seed

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8341 DIVARICATA. Blooms early May. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Seed germinates slowly. Pkt., 25c.

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 50

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10–15 days.

8291 GARTFORD GIANT ART SHADES. Exceptionally large flowers in lovely pastels. Pkt., 25c.

8293 EMPEROR. 18–22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8287 KELMSCOTT STRAIN. 3 ft. The best strain, large flowers in beautiful colors. Pkt., 25c.

8296 YELLOW EMPEROR. 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3½ inches on 18 in. stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c.

8281 YELLOW WONDER. Buttercup yellow flowers on stems 25 in. long, drought resisting. Pkt., 25c.

8279 VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE. We have included all the newer varieties. Pkt., 25c.

8270 ×NUDICAULE MIXED. Pkt., 10c.

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10–15 days.

8307 BEAUTY OF LIVERMERE. Finest crimson, 25c.

8303 MAHONEY. Maroon, shaded crimson. Pkt., 15c.

8309 MRS. PERRY. Delicate salmon-rose. Pkt., 25c.

8305 PRINCESS VICTORIA LOUISE. Lilac-rose. 15c.

8310 RED. Very striking color. Pkt., 10c.

8313 NAMED NEW VARIETIES MIXED. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.

8416 **PRIMULA,** Veris Grandiflora. Pkt., **35c.**

8420 **PRIMULA** Veris Colossea Mixed. **Pkt., 35c.**

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 50

8403 ACAULIS BLUE. The finest obtainable being regular and rich in color. Pkt., (100 seeds) $1.00.

8403A AURICULA LARGE FLOWERING MIXED. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c.

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c.

8420 —COLOSSEA MIXED. (Highly Commended. Wisley Trials 1952.) The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 35c.

8421 —LUTEA. Yellow. Pkt., 25c.

8416 —GRANDIFLORA MIXED. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 —GIANT BOUQUET MIXED. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A —MONARCH STRAIN. Undoubtedly the finest of all strains. Pkt., 25c.

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. Pkt., 25c.

Physalis Franchetti

Culture: B, D or E, Page 50

8345 CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 10c.

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals.

8600 DWARF. 6 to 15 in. **8601 MEDIUM.** 18 to 36 in

8602 TALL SORTS MIXED. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

8438 **PYRETHRUM,** Robinson's Giant Hybrids Mixed. Pkt., **25c.**

Platycodon
(Chinese Bell Flower)

Culture: B, D or E, Page 50

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

8360 GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 —ALBUM. White. Pkt., 15c.

8357 SHELL PINK. Soft shell pink, the veination in the flower being a deeper pink, with no trace of blue. At its best when grown in the semi-shade. In intense sun the color is inclined to fade. Has a long season of bloom. Pkt., 35c.

8370 MARIESII BLUE. 1 ft. Deep blue dwarf. Pkt., 10c.

8375 —ALBA. White. Pkt., 25c.

8353 PHYSOSTEGIA SUMMER SNOW. The flowers are a glistening pure white. Resembles the medium tall Rosy Spire in height and form. Handsome plants for sunny border, admirably suited for cutting. Pkt., 25c.

Polemonium
(Jacob's Ladder)

Culture: B, D or E, Page 50

8380 COERULEUM (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like. Pkt., 15c.

Ranunculus

8451 ASIATICUS. The semi-double to double flowers range from straw to gold, orange, scarlet, crimson with pink tones. Can be planted in garden in earliest spring. Seeds germinate in 15-20 days. Pkt., 25c.

Rose

Culture: B, D or E, Page 50

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 50

Seeds germinate in 20-30 days.

8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Pkt., 15c

8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c

Pyrethrum Roseum
(Painted Daisy)

Culture B, D or E, Page 50

Their large flowers, well-named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days. 1 to 2 ft.

8433 DOUBLE MIXED. Pkt., 35c.

8444 DOUBLE RED. Pkt., 50c.

8445 —PINK. Pkt., 50c.

8448 —WHITE. Pkt., 50c.
A certain per cent of the above will be single.

8441 SINGLE ATRO-SANGUINEUM. Blood-red. Pkt., 25c.

8443 —ROSEUM. Rose. Pkt., 25c.

8440 —GRANDIFLORUM SINGLE MIXED. Pkt., 15c.

8438 —ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.

8438A —ROBINSON'S CRIMSON. The best red. Pkt., 25c.

Salvia

Culture: B, D or E, Page 50

8480 PATENS. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Seeds germinate in 15 days. Sept. Pkt., 25c.

8494A **SCABIOSA,** Caucasica Vaughan's Special Mixture. Pkt., **25c.**

Scabiosa

Culture: B, D or E, Page 50

8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —ALBA. Pure white comes true. Pkt., 25c.

8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 15c.

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 50

Large flowers, resembling a single Aster. Seeds germinate in 20 days.

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 50

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM. (FEATHERED COLUMBINE) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 25c

8545 DIPTEROCARPUM. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis

Culture: B, D or E, Page 50

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days. Pkt., 25c.

Tritoma (Red Hot Poker)

Culture: B, D or E, Page 50

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 PFITZER'S HYBRIDS. Orange scarlet. Pkt., 15c.

8550 TRADESCANTIA MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

8554 TROLLIUS CHOICEST MIXED VARIETIES. Pkt., 25c.

8561 VALERIANA (GARDEN HELIOTROPE) MIXED. Pkt., 10c.

Tall, Hardy Verbena

Culture: B, D or E, Page 50

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

Veronica (Speedwell)

Culture: B, D or E, Page 50

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes. Seeds germinate in 15-20 days.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

8571 DWARF SORTS MIXED. Pkt., 15c.

Viola

8585 GEORGIA PEACH. Bright new shades of delicately peach colored, large blooms, slighly ruffled on the edges. Plants are uniformly compact and well formed. A gay color which should prove of interest to all. Pkt., 35c.

8585 **VIOLA,** Georgia Peach. Pkt., **35c.**

Home Greenhouse and House Plants from Seed

BEGONIA, Type of Pink Pearl and Red Pearl.

Abutilon

120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER). ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

Antirrhinum

SNAPDRAGON ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 50

BRONZE

362 AFTERGLOW. Golden bronze.

400 BARBARA. Large bronze florets, pink throat and bright bronze lips.

394 LADY DOROTHY. Glowing reddish bronze.

LAVENDER

406 SCHUMANN'S LAVENDER. Rosy-lavender.

416 WINDMILLER'S LILAC. Orchid.

RED

411 PRISCILLA ANN. Velvety-crimson florets. At times a faint touch of yellow is noted on the lip.

407 SHISLER'S RED. Glowing wine-red.

ROSE AND PINK SHADES

363 BETTER TIMES. A true American Beauty rose-red.

375 CHEVIOT MAID SUPREME. Deep rose pink.

377 CHRISTINA. Medium-light pink.

378 CHRISTMAS CHEER. The earliest rose-pink.

395C MARIE LOUISE. Shell pink.

396 MAIDEN'S BLUSH IMPROVED. Appleblossom pink with white tube.

398 MARYLAND PINK. Light pastel pink.

408A ROSE QUEEN. Dark pink.

WHITE

397 MARGARET. Ivory white.

415 WHITE WONDER IMPROVED. Pure white.

YELLOW

387 GOLD RUSH. Deep Jonquil yellow.

384 PATRICIA. Rich yellow with full deep yellow lower lip.

EACH OF THE ABOVE. Pkt., 75c.

426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A formula mixture of forcing varieties, including the popular pink shades. Pkt., 75c.

Asparagus ÷

Culture: C. Pot up in Fall, force in greenhouse. Page 50

480 PLUMOSUS NANUS. + 3 ft. Pkt., 40 seeds, 35c.

485 SPRENGERI. + Finest material for hanging baskets. Pkt., 40 seeds, 35c.

Begonias

TUBEROUS ROOTED

Culture: D or E, Page 50

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days.

For Bulbs of Begonia Tuberous rooted see index on final pages.

For treating Begonia seed, to prevent damping-off, we recommend Spergon Wettable, 35c ounce, postpaid, and Arason, ¾ ounce 35c, postpaid.

1103 DOUBLE MIXED. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., $1.00.

FIBROUS-ROOTED EVER-BLOOMING

Culture: B, C, D or E, Page 50

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

1075 ADELINE. (Improved Darling). Very dwarf habit; bright pink flowers and green foliage, very attractive. Pkt., 35c.

1071 CHRISTMAS CHEER RED. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1082 INDIAN MAID. 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt., 25c.

1084 ILE DE FRANCE. The flowers are 1¼ inches, to 1½ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 KING OF THE REDS. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 MASTERPIECE. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 35c.

1073 SNOWBANK. The finest dwarf white. Large flowers of purest white, freely produced on plants that are compact and uniform in growth. Foliage is a bright clear green. Pkt., 50c.

1066 PINK PEARL. Of dwarf compact habit, 6 to 8 in. high. The plants form perfect balls and the flowers are borne well above the bright green foliage. Pkt., $1.00.

1067 RED PEARL. Identical to the above in type and blooming habit. Color a brilliant dark scarlet. Pkt., $1.00.

1090 VAUGHAN'S SPECIAL MIXED. Finely balanced blend of full color range. Pkt., 25c.

Browallia

1155 SPECIOSA MAJOR. Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

1179 HYBRIDA MULTIFLORA NANA MIXED. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., $1.00.

1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., $1.00.

Exacum

2445 AFFINE. An easily grown pot plant with richly fragrant flowers of bright mauve. Pkt., 35c.

Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 50

1715 VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.

1716 CREMER'S PRIZE MIXTURE. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.

1723 SITER'S RAINBOW STRAIN. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth, with little leaves. Early to bloom. Pkt., 50c.

Coleus

Culture: D or E, Page 50

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt., 50c.

1857 LARGE LEAVED MIXED. Pkt., 35c.

Cyclamen

PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

2010 MIXED. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c.

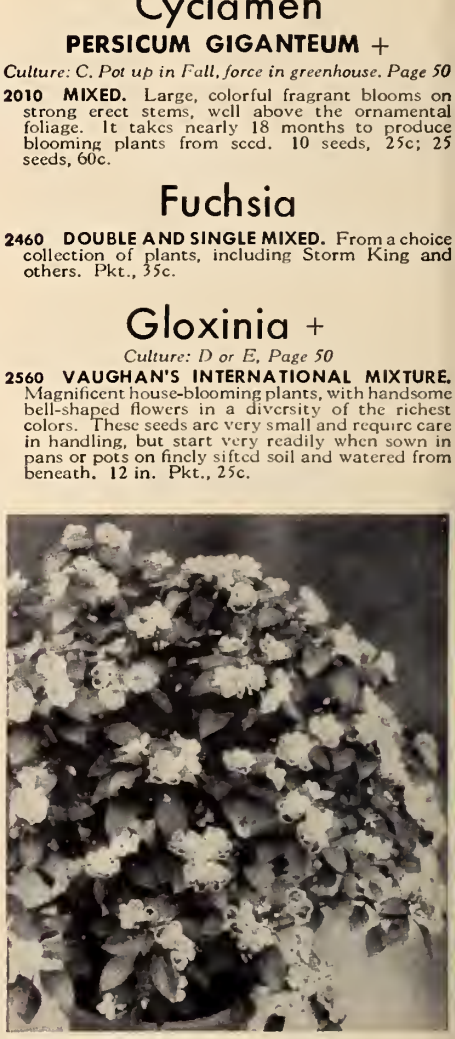
Fuchsia

2460 DOUBLE AND SINGLE MIXED. From a choice collection of plants, including Storm King and others. Pkt., 35c.

Gloxinia +

Culture: D or E, Page 50

2560 VAUGHAN'S INTERNATIONAL MIXTURE. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.



IMPATIENS

KEY TO SYMBOLS: □Annuals. #Biennials. ①Perennials. ÷Greenhouse Plants. +House Plants. =Climbing Plants. ×Rock Garden Plants.

1184 CALCEOLARIA Hybrida Triumph. Pkt., $1.00.

1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.

2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.

4477 PRIMULA Malacoides Mixture. Pkt., 35c.

Home Greenhouse and House Plants from Seed

African Violets

SAINTPAULIAS

Interesting and attractive house plants with a long season of bloom; the leaves of which form a cushion from which arise the bright violet-like flowers.

4587 IONANTHA GRANDIFLORA. Large dark blue flowers, freely produced, as many as 25 blossoms or more on a plant at one time. Small velvety green leaf. Pkt., 50c.

4588 BLUE FAIRY TALE. Extra large flowers of ultramarine blue with bright yellow eye coming 100% true from seed. Very free flowering; strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across, with good culture, in 10 to 12 months. Pkt., 50c.

4589 NEW HYBRIDS. Flowers in varied shades of blue; the plants dwarf, bushy and compact with leaves of dark green. Pkt., 50c.

Impatiens

Culture:, A or B, D or E., Page 50

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days.

2890 DWARF FIERY SCARLET. The flowers are a fiery scarlet red, larger than other sorts, reaching 2 inches in diameter and freely produced. Of low spreading habit, it is an excellent variety for pots and well suited to the shady border in the garden. Pkt., 50c.

2875 HOLSTII. 1½ ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.

2880 HOLSTII HYBRIDS. Range from pink through red shades to purplish-violet. Pkt., 25c.

2881 SULTANI. Bright rose. Pkt., 25c.

2882 SULTANI HYBRIDS. Colors range from pale pink to dark crimson. Pkt., 25c.

2884 SULTANI NANA CARMINE. Compact and free flowering. Pkt., 50c.

2883 SULTANI NANA DWARF MIXED. Flowers continuously in many shades. Pkt., 50c.

Irish Shamrock

4761 This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's day. A species of clover. Pkt., 15c.

Kalanchoe

Culture: D, C or E, Page 50

2915 HYBRIDA BRILLIANT STAR. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.

2916 YELLOW DARLING. Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c.

2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Schizanthus, Primula Malacoides, and Obconica Mixed. Pkt., 50c.

Pansy □

Culture: A, B or C, Page 50

3841 VAUGHAN'S LONG STEMMED WINTER FLOWERING RE-SELECTED MIXED. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming Pkt., 50c.

Primula ÷

Culture: D, C or E, Page 50

4465 CHINESE VAUGHAN'S INTERNATIONAL MIXTURE. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt. (100 seeds), 75c.

PRIMULA—VARIOUS SORTS

Culture: C (May-July). Pot up July-Sept., Page 50

NEW GIANT MALACOIDES—16 IN.

4474 GLORY OF RIVERSIDE IMPROVED. A true rose pink. Easily grown from seed. Pkt., 35c.

4477 MALACOIDES MIXED. Flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 50

4486 AVALANCHE. Pure white. Pkt., 50c.

4487 FASBENDER RED. Large rich deep red. Pkt., (200 seeds), 50c.

4489 SKY BLUE. Extra large flowers. Pkt., 50c.

4495 OBCONICA GRANDIFLORA MIXED. Good mixture. Pkt., (200 seeds), 25c.

4496 GIGANTEA WYASTON WONDER. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.

Streptocarpus

(CAPE PRIMROSE)

Flowers attain a diameter of 2 inches and over. Borne on long wiry stems, they last long when cut. An excellent pot plant for winter blooming.

4990 MIXED. A blend of rich colored sorts from prize varieties. Pkt., 50c.

KALANCHOE Yellow Dorling

Tigridia

5641 MIXED (SHELL FLOWER OF MEXICO). Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.

Schizanthus

POORMAN'S ORCHID

Culture: A or B, D or E, Page 50

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days.

4756 MONARCH STRAIN. This is the brightest mixture of rose and appleblossom pink, salmon, crimson, deep violet purple and many indescribable variations which make this a riot of color. All are heavily veined in gold. Pkt., 25c.

4753 VAUGHAN'S DWARF "MASTERPIECE." The plants grow dwarf and compact, making them most suitable for pot plants. The color range of the flowers, which are of good size, is the most varied, ranging from light pink and rose to a pleasing dark violet, all with conspicuous blotches. Pkt., 50c.

Solanum

Culture: D, C or E Page 50

4779 VAUGHAN'S CANDLE PEPPER. The peppers, which are one inch long and decidedly pointed, are creamy-yellow changing to red, producing a striking candle effect. The tapered peppers grow upright, giving a dainty and unusual effect. Pkt., 50c.

4774 CHRISTMAS CHERRY IMPROVED. Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.

Stocks

4981 TRYSOMIC GIANT IMPERIAL MIXED. Of branching habit, this new strain comes 85% or more full-double from seed. The young single seedlings are noticeably weaker at the four-leaf seedling stage making it possible to remove them and so increase the percentage of double flowers. A well-balanced color range which includes fiery red, bright rose, chamois, lavender, dark blue, yellow and white. Pkt., 50c.

NON-BRANCHING COLUMN

These produce one stem, 2½ ft. high, thickly set with large double flowers.

4963 DEEP APRICOT. A rich warm buff with a faint tinge of pink. Pkt., 50c.

4952 GARDENIA. Shimmering, glistening white, the flowers are the purest snow white. Pkt., 50c.

4966 PACIFIC PINK. A pure pink on cream base, without the touch of blue usually found in this color. Well placed florets on good spikes. Shows up exceptionally well under artificial lights. Pkt., 50c.

4970 PINK GIANT. A rich rose pink, the center of the flower being slightly lighter. The large florets are closely set on long stems. Pkt., 50c.

4973 WHITE GIANT. Pure white without trace of green in the flowers, which are closely set on strong long stems. Pkt . 50c.

4956 SILVERY LILAC. Lilac lavender. Pkt., 50c.

4958 MIXED. A specially prepared formula which includes the above and others. Pkt., 50c.

FIRMING THE SOIL

MARKING THE ROWS

SOWING THE SEED

COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in midsummer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E **Sow in a hotbed or cold frame.** A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

GARDENING BOOKS

BOOK PRICES ARE NOT PREPAID. ADD 15 CENTS PER COPY IF YOUR ORDER IS TO GO BY PARCEL POST.

AMERICA'S GARDEN BOOK. By Louise Bush-Brown and James Bush-Brown. In this new, entirely revised edition, "America's foremost garden book" has been brought completely up-to-date. The authors have been in close touch with recent progress in horticulture, and they have included here all of the innovations which have proved their worth in gardening during the past decade.
The significant advances in horticultural practices, particularly in soil management, in the control of pests and diseases, and in the elimination of weeds and other undesirables are all included, as well as recommendations of the many notable new varieties of plants that have been introduced.
Illustrated with more than 160 photographs, sketches, diagrams and maps. 1242 pages. Priced at $4.50.

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THE NEW FLOWER ARRANGEMENT FOR EVERYONE. By Dorothy Biddle and Dorothea Blom. You'll be entranced with the inspired arrangements for home, church or flower shows. This completely revised edition, with 80 new photographs, offers information for novice and blue-ribbon winner! 192 pages. $3.50.

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AQUILEGIA Voughon's Special Mixture

Anchusa

(African Forget-Me-Not)

ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gentian flowers. **Plants,** each 60c; 3 for **$1.50;** doz., $4.75.

Arabis (Rock Cress)

ALPINA. 1 ft. April. Pure white. **Plants, 50c each;** 3 for $1.25; doz., $4.25.

Hardy Asters

BEECHWOOD CHALLENGER. 2½ ft. Darkest red of all.

HARRINGTON'S PINK. First true pink Hardy Aster. Large flowers of luminous true pink.

ROYAL BLUE. A deep blue. Produces myriads of large, showy flowers.

WHITE LADY. Large, graceful white flowers in profusion.

All above 60c each; 3 for $1.50; doz., $4.75.

COLLECTION. One of each of the above four varieties, $2.00.

PEACE. 3½ ft. Bears pinkish lavender semi-double flowers fully 2 inches across. They are produced in immense quantities and are excellent for cutting as well as produce a magnificent effect in the garden from early September until late October.

PLENTY. 3½ ft. Lovely soft blue flowers are semi-double and 2 inches in diameter, produced in immense quantities. It commences to bloom in early September and lasts well into October. Exceptionally fine for cutting.

PROSPERITY. 3½ ft. Large, deep, rosy pink flowers in masses appear in early September and lasts well into October. This is one of the finest of the pink Novi-Belgi.

Plants of above three, each, 75c; 3 for $1.95; doz., $5.75.

Asclepias

(Butterfly Weed)

TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Aubrietia

ROYAL HYBRIDS. A fine color range. Trailing habit. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Centaurea

(Hardheads, Knapweed)

HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. **Plants, (mixed only) each,** 50c; 3 for $1.25; doz., $4.25.

Campanulas

CANTERBURY BELLS

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

SINGLE	BLUE.
LILAC.	PINK.
WHITE.	MIXED.

Plants, mixed shades each, 50c; 3 for $1.25; doz., $4.25.

CAMPANULAS

Garden Carnations

CRIMSON KING. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvet texture borne in profusion in June and continuing until frost. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

BEATRICE. Everblooming, cluster flowered. Warm salmon pink flower clusters measure 3 to 4 inches across, giving the impression of one huge flower. They are fragrant, and are produced intermittently from June until frost. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

SILVERMINE. Finest all-double white. Often as many as eight in one cluster. Flowers intermittently all summer long. Wonderfully fragrant. Excellent for cutting. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

COLLECTION. One each of the above 3 varieties for $1.50.

GRENADIN-20 in.

MIXED. Plants, each, 50c; 3 for $1.25; doz., $4.25.

Coreopsis

DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Columbine

(Aquilegia)

AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. **Plants,** Mixed only, each 50c; 3 for $1.25; doz., $4.25.

LONG-SPURRED CRIMSON STAR. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white. Three-inch flowers on 2-foot stems. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. **Plants,** each, 50c; 3for $1.25; doz., $4.25.

Digitalis

THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Each, 50c; 3 for $1.25; doz., $4.25.

DICENTRA Spectabilis

PERENNIAL PLANTS—Cont.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

SPECTABILIS. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. **Plants,** each, $1.00; 3 for $2.65; doz., $7.25.

Hardy Delphiniums

PACIFIC GIANTS

BLUE BIRD. A clear medium blue with white bee with high tall spikes.

BLACK KNIGHT. Large flowers of varying dark violet shade.

BLUE JAY. From medium to dark blue with dark bee.

CAMELIARD SERIES. This is a pure lavender shade with white bee.

GALAHAD. Clear white, highly mildew resistant.

KING ARTHUR. Royal violet, large white bee.

PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.

GUINEVERE. Light pink lavender with white bee.

SUMMER SKIES. Light blue with white bee.

ROUND TABLE SERIES. As the name implies this represents all of the color combinations of the above. Strong 1 yr. plants. Price on above 10 varieties each, 75c; 3 for $1.95; Doz. $5.75.

BLUE JAY GALAHAD
GUINEVERE SUMMER SKIES
KING ARTHUR

Collection No. 52B, one plant each of 5 varieties above. $3.25.

BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double. **Plants,** each 50c; 3 for $1.25; doz., $4.25.

NEW RICH BLUE DELPHINIUM

SAPPHIRE. A rich blue distinct from Bellamosum in that it is slightly lighter in color with a tiny center of golden pollen, definitely larger flowered with a brilliant sheen to the petals. The foliage is glossy dark green. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

Dianthus Barbatus

MIDGET SINGLE MIXED. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. **Plants,** mixed only, each, 50c; 3 for $1.25; doz., $4.25.

New Everblooming Sweet William

LATIFOLIUS ATROCOCCINEUS FLORA PLENA. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

PLUMARIUS (Clove or Grass Pinks)

SPRING BEAUTY. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

VAUGHAN'S SPECIAL DOUBLE MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. **Plants,** each, 45c; 3 for $1.15; doz., $3.75.

ECHINOPS (Globe Thistle)

TAPLOW BLUE. This variety is particularly desirable. The flower heads are larger and are intense metallic blue. It is very free flowering and does beautifully in difficult, dry soils, A clump of Taplow Blue makes a fine contrast growing alongside of white Phlox. Plant in full sun. Hardy anywhere. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

DELPHINIUM Pacific Giants

Gypsophila (Baby's Breath)

PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. **Plants,** each, 65c; 3 for $1.75; doz., $5.50.

PANICULATA BRISTOL FAIRY (DOUBLE BABY'S BREATH). Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. **Plants,** each, 75c; 3 for $2.00; doz., $6.25.

Gaillardias

BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

DAZZLER. Large golden yellow flowers with rich maroon center. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

DIANTHUS Latifolius

Helianthemum

MUTABILE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Heuchera (Coralbells)

ROSEA. Outstandingly beautiful deep pink color; very lovely contrasted with attractive foliage. Blooms over a long period and makes delightful bouquets. Each 60c; 3 for $1.50; doz., $4.75.

ROSAMUNDI. One of the best coral-pink sorts. The plants are vigorous growers and produce an abundance of richly colored blossoms on tall stems which last over two months. Each, 60c; 3 for $1.50; doz. $4.75.

New Hemerocallis

MIKADO. Orange with spot of mahogany red on each petal June to August. 36 in. stems. Each, 75c; 3 for $1.95; doz., $5.75.

SERENADE. A subtle pastel combination of yellow and pink with petals that are twisted and crinkled. Blooms June and July. Height 4 to 5 ft. Each, $1.00, 3 for $2 65, Doz., $7.25.

SIR MICHAEL FOSTER. 4 ft. Large ruffled, fragrant flowers of clear yellow without a mark of any kind. June, July. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

THERON. Large Fld. maroon red. Recent introduction. Each, $1.00; 3 for $2.65; doz., $7.25.

COLLECTION: One each of the above 4 varieties, $2.60.

IMPROVED HEMEROCALLIS

HYPERION. The finest Citron yellow available. Delightfully fragrant. 40 in. Blooming July. Each, $1.00; 3 for $2.65; doz., $7.25.

IMPERATOR. Star Shaped blooms of orange red lined with sulphur. 40 in. Blooming July and August. Each, 60c; 3 for $1.50; doz., $4.75.

KWANZO FLORA PLENA. Large, double golden bronze blooms. A really unique variety. Height 36 inches. Blooms July and August. Each, 60c; 3 for $1.50; Doz., $4.75.

MODESTY. Large flowering pale yellow. 30 in. June and July. Each, 75c; 3 for $1.95; doz, $5.75.

OPHIR. 50 in. Deep golden yellow trumpet shaped flowers 5 inches across, borne 25 to 30 to a stem. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

SOVEREIGN. 30 in. Received an Award of Merit of the Royal Horticultural Society. Fine deep yellow. June. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

COLLECTION: One each of the above 6, $3.00.

Hibiscus (Rose Mallow)

AVALON HYBRID. 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. **Plants,** each, 60c; 3 for $1 50; doz., $4.75.

JUMBO RED. 3 ft. A special selection made to improve color and size of the flower of the Mallow Marvels Red. **Plants,** each, 55c; 3 for $1.35; doz., $4.50.

MALLOW MARVELS, MIXED. 3-5 ft. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Hollyhocks

VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains.

MIXED COLORS. Each, 45c; 3 for $1.15; doz., $3.75.

HEMEROCALLIS

PERENNIAL PLANTS—Cont.

Iberis (Perennial Candytuft)

GIBRALTARICA. Pinkish white. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Lavender (Lavendula)

MUNSTEAD STRAIN. 1 ft. A most valuable variety. A month earlier than the common Lavender. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Lathyrus Latifolius

(Hardy Sweet Pea)

WHITE PEARL. Large white. **Plants,** mixed, each, 50c; 3 for $1.25; doz., $4.25.

Liatris (Kansas Gay Feather)

SCARIOSA SEPTEMBER GLORY. A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. **Plants,** each, 75c; 3 for $1.95; doz., $5.75.

Linum (Flax) 12 to 18 in.

PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Myosotis

PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Physalis Frachetti

CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Platycodon

(Chinese Bell Flower)

GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Pyrethrum Roseum

(Painted Daisy)

ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. **Plants,** each, 50c; 3 for $1.25; doz., $4.25.

Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors.

AFRICA—Lustrous deep carmine red with darker eye.
BLUE BOY—Near blue color with violet cast
DAILY SKETCH. Large flowers of light salmon pink with carmine eye.
FAIRY KING—Large rounded heads of soft lavender. Resistant to disease
FLASH. Rich dark red with orange-scarlet center.
IRENE. One of the best easy growing cherry red phlox. Medium height with bronzy green foliage.
LEO SCHLAGETER. One of the brightest of all red Phlox.
LILIAN. Salmon pink with lavender and white shadings.
PINK CHARM. Bright pink with scarlet sheen.
THOR. Deep salmon-pink with an unusual scarlet overtone. Nicely shaped trusses on strong stems.

On all the above, 60c each; 3 for $1.50; doz., $4.75

COLLECTION NO. 53.
One each of the ten varieties above, $4.50.

SPECIAL VARIETIES OF PHLOX

CHARLES CURTIS. Brilliant cherry red. Very showy.
MARY LOUISE. New white—large flower heads.
PROGRESS. Blue with a white eye
SALMON BEAUTY. Rich salmon pink with white eye.

On all the above four, 75c each; 3 for $2.00; doz., $6.25.

COLLECTION NO. 53A.
One each of the four above, $2.50.

PHLOX SUBULATA (DWARF CREEPING PHLOX)

One of the best rock garden plants. Strong grower with a creeping habit. Multiplies very rapidly. Blooms in May. Very prolific.
LILACINA. Pale lilac lavender.
ATRO-PURPUREA. Dark purple.
Plants of above, 60c each; 3 for $1.50; doz., $4.75.

Rudbeckia (Cone Flower)

PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. **Plants,** 60c each; 3 for $1.50; doz., $4.75.

Statice

LATIFOLIA (GREAT SEA LAVENDER.) 18 in. Grows in fine lace-like bush form with a profusion of misty purplish-blue blossoms. May be cut and dried for winter bouquets. Unexcelled for filler in floral arrangements. **Plants,** each, 50c; 3 for $1.25; doz. $4.25.

Scabiosa

HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

PHLOX

Shasta Daisies

ALASKA. 2–2½ feet. Splendid for cutting. **Plants,** ea., 50c; 3 for $1.25; doz., $4.25.
G. MARCONI RE-SELECTED. The flowers are 4 in. in diameter and stems 2½ to 3 ft. long. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.
MT. SHASTA. Beautiful crested Hardy Shasta Daisy. Huge flowers on long stout stems. They will excite more admiration and comment than any other plant in your garden. **Plants,** each 60c; 3 for $1.50; doz., $4.75.

Stokesia (Stokes' Aster)

CYANEA. 18 in. July-Oct. Flowers rich blue. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Tritoma (Red Hot Poker)

PFITZER'S HYBRID. Orange scarlet. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Vinca Minor

BOWLES VARIETY. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. **Plants,** each, 45c; 3 for $1.15; doz., $3.50.

HARDY SWEET VIOLETS

ROYAL ROBE. Lustrous violet blue, very fragrant. **Plants,** each, 60c; 3 for $1.50; doz., $4.75.

Save Money With 1-Year Untransplanted Perennials

3 for 60c; 6 for $1.00; Dozen for $1.75 Prepaid.

No orders accepted after May 15th.

These sturdy, though small, perennial plants are shipped direct from the beds where they have been growing one year. They will stand transplanting shock better than many larger plants and will complete their growth in your border. They are packed in bundles of one variety, and bundles will not be broken at the following prices:

Dozen plants $1.75; 3 Dozen plants $4.50; 5 Dozen plants $7.00; 10 Dozen plants $13.00. All Prepaid.

BROKEN BUNDLES. If you wish less than 12 plants of one variety we will ship 3 plants of one variety for **60c;** 6 plants of one variety for **$1.00,** all prepaid. Not less than 3 of one variety sold.

ACHILLEA. The Pearl. Pure white flowers, fine for cutting
ACHILLEA, Filipendula. Golden-yellow flowers. Fine for Ming gardens when dried.
COLUMBINE. (Aquilegia) Long-Spurred Hybrids. Fine selection of mixed colors.
CANTERBURY BELLS. (Campanula) Double and Single Mixed. Very showy.
CARNATIONS. Hardy Border. Double and single flowers in mixed colors
DELPHINIUM. Round Table Series Hybrids. Giant spikes of many colors. Mixed only.
DIANTHUS BARBATUS. Vaughan's Special Mixture of Sweet William
DIANTHUS PLUMARIS. Clove scented garden pinks. An ideal border plant.
DIGITALIS. Bell shaped flowers in mixed shades.
GAILLARDIA. (Mixed Hybrids) Mixture of all shades and colors.
PANSY. Swiss Giants. A fine mixture of colors. Giant flowers of good shape and texture.
PLATYCODON. Shell Pink. Light pink. Grow in semi-shade.
POLEMONIUM. Coeruleum. Sky-blue flowers with golden anthers.
PYRETHRUM. Robinson's Hybrids. A selection of mixed shades of pink and reds. Unsurpassed for cutting and border effect
SCABIOSA. Columbaria Pink. Pink, Lavender and Orchid flowers.
VALERIANA RUBRA. Red-Purple garden Heliotrope. Fragrant.

Grow Your Own Mushrooms

MAGIC MUSHROOM TRAYS

Mushrooms for home consumption can be grown in your cellar, without odor or disorder, in Magic Mushroom trays, which come filled with compost, and sown with spawn, ready to grow after you have soaked the soil.

Trays measure 15 by 17 inches. Mushrooms should mature in 3 to 4 weeks and continue to develop for two to four months. Four trays are recommended to supply the average family.

Compost which fills the tray is pasteurized and odorless. Shipping weight is 25 lbs. for each tray, if shipped with one-inch of soil covering compost; 15 lbs. without soil which you can supply from your garden.

Shipped with complete instructions, Prices, 3 trays, $4.50; 6 or more, $1.25 each, F.O.B. Ashtabula, O.

PURE CULTURE IMPROVED VITA BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet. Leaflet, "How to grow mushrooms" free with spawn.

Per carton.....$1.50 5 cartons for.....$6.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE IMPROVED VITA BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....50c 5 bricks for.....$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15th to May 20th.

BERMUDA (for early green onions).

YELLOW SWEET SPANISH (for large onions).
Per bunch postpaid 55c; ten bunches, $4.25

HYBRID SWEET SPANISH (for exhibition onions). See Novelty page 5.
Per bunch, postpaid 65c; ten bunches, $5.00

SWEET POTATOES

See Novelty page 7 for a description of the wonderful new Murff Bush Sweet Potato.

Sweet Potatoes will be shipped from our grower in Southern Illinois, all by express at purchaser's expense. We regret that owing to a short crop we can offer only Porto Rico, in addition to the new Murff Bush.

PORTO RICO.
10 lbs., $1.85; 25 lbs. and over, 16c per lb.

MURFF BUSH.
10 lbs., $2.00; 25 lbs. and over, 18c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato Plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C. O. D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico. 50 plants, 85c; 100, $1.65; 200, $3.15; 500, $5.50; 1,000, $9.00. By express per 1,000, $8.50.

MURFF BUSH.
50 plants, $1.00; 100, $1.85; 200, $3.40; 500, $6; 1,000, $10.00. By express, per 1,000, $9.00.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

Why Everyone Who Can Should Plant a Home Garden

Interest in home gardening is increasing throughout the United States.

Millions of new home owners have moved from congested city localities to outlying sections where for the first time they have soil of their own to cultivate. The savings in the family food budget made possible by a home garden are too large to ignore. The threat of war is ever present, and should it be realized, home gardens will immediately become vital to the national defense.

No one who has the ground on which to make a garden should fail to do so, not only for the reasons cited, but because of the many benefits in physical health, mental relaxation, and contentment which gardening brings.

As the maxim printed for so many years on the backbone of this catalogue says: "Gardening is an occupation for which no man is too high or too low."

VEGETABLE PLANTING CHART

The key-date for all planting for the outdoor garden, whether it is done directly in the open garden, or under protection to grow plants to be transplanted, is the last killing frost of spring. You can ascertain this date in your neighborhood from experienced gardeners who usually know when it is safe to set out tender plants. In the columns headed: "Time to Sow," one for indoors, the other for outdoors, letters are used to indicate the number of weeks in advance of this safety date, when the operations indicated may begin

Weeks before date of last killing frost of spring.

A—10 weeks.
B—8 weeks.
C—6 weeks.
D—4 weeks.
E—2 weeks.
F—When danger of frost is over.
G—When soil is thoroughly warm, and nights above 60 degrees.

Vegetable	Time to Sow		What May Be Expected	Planting Measurements		
	Indoors	Outdoors	From 1 lb. of Seed	Distance Between Rows	Distance Between Plants	Depth to Plant Seed
Beans, Green Bush	.....	E	50 feet	2½ feet	4 inches	½ inch
Beans, Wax Bush	.....	E	50 feet	2½ feet	4 inches	½ inch
Beans, Dwarf Shell	.....	E	50 feet	2½ feet	4 inches	½ inch
Beans, Bush Lima	.....	F	50 feet	2½ feet	4 inches	½ inch
Beans, Broad	.....	D	50 feet	3 feet	4 inches	1 inch
Beans, Pole Lima	.....	F	75 hills	4 feet	2 feet	1 inch
Beans, Pole	.....	E	200 hills	4 feet	2 feet	½ inch
Beans, Soy (Soja)	.....	E	50 feet	2½ feet	4 inches	½ inch
Corn, Early	.....	E	200 feet	3 feet	12 inches	1 inch
Corn, Late	.....	E	200 feet	3 feet	12 inches	1 inch
Peas	.....	C	100 feet	3 feet	1 inch	1 inch
			From 1 oz. of Seed			
Asparagus	.....	C	500 plants	3 feet	15 inches	½ inch
Beet	.....	D	50 feet	1½ feet	2 inches	½ inch
Broccoli	B	D	2000 plants	2½ feet	1½ feet	¼ inch
Brussels Sprouts	B	D	2000 plants	2½ feet	1½ feet	¼ inch
Cabbage, Early	B	D	2000 plants	2½ feet	1½ feet	¼ inch
Cabbage, Late	.....	E	2000 plants	2½ feet	2 feet	¼ inch
Cabbage, Chinese	C	G	5000 plants	2½ feet	1 foot	¼ inch
Carrot	.....	D	100 feet	1½ feet	2 inches	¼ inch
Cauliflower	B	E	2000 plants	2½ feet	1½ feet	¼ inch
Celeriac	A	E	3000 plants	2½ feet	6 inches	1/16 inch
Celery	A	D	3000 plants	2½ feet	8 inches	1/16 inch
Chervil	.....	D	100 feet	1½ feet	2 inches	¼ inch
Chicory	.....	F	100 feet	2 feet	6 inches	¼ inch
Chives	.....	D	200 feet	1½ feet	12 inches	¼ inch
Corn Salad	.....	D	150 feet	1 foot	3 inches	½ inch
Cress	.....	D	100 feet	1 foot	1 inch	¼ inch
Cucumber	.....	G	60 hills	4 feet	4 feet	½ inch
Dandelion	.....	E	200 feet	1½ feet	6 inches	¼ inch
Eggplant	B	.....	1000 plants	3 feet	3 feet	⅛ inch
Endive	.....	D	3000 plants	1½ feet	12 inches	¼ inch
Florence Fennel	.....	G	100 feet	2 feet	6 inches	¼ inch
Kale	.....	F	2000 plants	2 feet	1½ feet	¼ inch
Kohlrabi	.....	D	150 feet	2 feet	4 inches	½ inch
Leeks	A	C	100 feet	1½ feet	4 inches	¼ inch
Lettuce	B	C	3000 plants	2 feet	12 inches	¼ inch
Mangel Wurzel	.....	D	50 feet	2 feet	10 inches	½ inch
Melon	.....	G	100 hills	4 feet	4 feet	½ inch
Mustard	.....	D	100 feet	1½ feet	6 inches	¼ inch
Okra	.....	F	250 plants	2½ feet	15 inches	½ inch
Onion	A	C	100 feet	1 foot	2 inches	½ inch
Parsley	.....	D	150 feet	1½ feet	2 inches	¼ inch
Parsnip	.....	D	100 feet	1½ feet	3 inches	½ inch
Pepper	C	F	2000 plants	3 feet	1½ feet	¼ inch
Pumpkin	.....	F	30 hills	5 feet	5 feet	1 inch
Radish	.....	D	50 feet	1 foot	1 inch	½ inch
Rhubarb	.....	D	100 feet	3 feet	3 feet	½ inch
Salsify	.....	D	75 feet	1½ feet	2 inches	½ inch
Spinach	.....	C	50 feet	1½ feet	2 inches	½ inch
Spinach, New Zealand	.....	E	250 plants	2 feet	2 feet	½ inch
Squash, Summer	.....	E	50 hills	4 feet	4 feet	½ inch
Squash, Winter	.....	E	15 hills	7 feet	7 feet	½ inch
Swiss Chard	.....	D	75 feet	1½ feet	6 inches	½ inch
Tomato	C	E	1500 plants	4 feet	3 feet	¼ inch
Turnip, Early	.....	C	150 feet	1½ feet	3 inches	⅛ inch
Turnip, Rutabaga	.....	C	150 feet	2 feet	6 inches	¼ inch
Watermelon	.....	F	30 hills	8 feet	8 feet	1 inch

Vaughan's Vegetable Seeds

TOPCROP CONTENDER TENDERGREEN

SYMBOL OF QUALITY
To guide home gardeners in selection of varieties to grow we mark with the symbol shown above those varieties which we consider to be superior under most conditions to other varieties of similar description and purpose.

Artichokes

A-1 ARTICHOKE GREEN GLOBE. A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; ½ oz., 75c; oz., $1.50.

Asparagus

Seed Planting. Seed will produce a crop in three years. One ounce produces 300 plants. Roots will produce a crop in two years.
Plant roots two feet apart in rows four feet apart.

Roots (2 yrs. old)	Doz.	100	1,000
MARY WASHINGTON	$1.00	$3.75	$32.00

If by mail, add postage as follows: 100, 50c.

SEED

A-4 MARY WASHINGTON. Most recommended and a rust-proof strain.
Pkt., 15c; oz., 45c; ¼ lb., $1.10

A-5 PARADISE. Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c; ¼ lb., $1.75

Edible Soy Beans

Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 BANSEI. 90 Days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow.
Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., 95c

Improved germination and vigor of growth in beans is induced by inoculating the seeds with Nitragin, garden size 15c, sufficient to treat 6 lbs. of peas, beans, lima beans and sweet peas. Easy to apply. 3 packets for 40c

Two Pounds Prepaid
Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 96.

New Beans Surpass Old in Yield and Quality

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, due to superior stringlessness and less fiber. Flat pod varieties rate high in yield and flavor.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

Round-Pod Bush Beans

B-1 WADE. 55 Days. ☑ All America Gold Medal, 1952. Supreme quality combined with heavy yield won the top award for this new variety, which experts consider the finest all-purpose greenpod bush bean yet developed. See Novelty Page 6.
Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45

B-13 TOPCROP. 50 Days. ☑ All America Gold Medal 1950. Until the introduction of the new variety Wade, this was unsurpassed for a combination of quality, yield and disease resistance. Compared with Wade it is not as dark a color, and the pods mature faster, giving a shorter period of top quality. It outyields Wade under most conditions.
Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45

B-23 CONTENDER. 49 Days. ☑ An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod.
Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.45

B-26 LOGAN. 52 Days. A tendergreen type of bean that bears long, straight, stringless pods and under adverse growing conditions will outyield Tendergreen.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-40 TENDERGREEN. 52 Days. Good sized bush bearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and ⅜ in. through.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

Flat-Pod Bush Beans

B-5 BOUNTIFUL. 49 Days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-38 STREAMLINER. 55 Days. This is among the most productive of the bush types. The plants bear 7 in. long, ½ to 9/16 in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-16 GIANT STRINGLESS GREEN POD. 53 Days. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-39 STRINGLESS GREEN POD. (Landreth Stringless). 50 Days. Medium sized bush, productive, bearing long, round pods of good color. Stringless fleshy and nearly straight. Does best in heavy clay soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-4 BLACK VALENTINE STRINGLESS. 52 Days. Medium sized bush bearing fine long round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early shipper. Does best in heavy soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-10 WAX-POD BEAN CHEROKEE. Pkt. 15c.

Top Wax-Pod Bush Beans

B-10 CHEROKEE. 53 Days. Ⓥ Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-17 GOLDEN BOUNTIFUL WAX. 53 Days. Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-18 GOLD STANDARD WAX (Davis Stringless). 52 Days. Plant medium large and fairly productive. Pods 6 in. long, ½ inch wide, thick, flat, stringless, straight, some fiber. Good color and quite hardy.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-29 PENCIL POD WAX. 55 Days. Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, 7/16 in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-35 ROUND POD KIDNEY WAX (Brittle Wax). 55 Days. Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ⅜ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-41 TOP NOTCH GOLDEN WAX. 52 Days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed solid white with brown eye.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

B-43 UNRIVALLED WAX. 52 Days. Medium size bush of upright growth bearing profusely of rich waxy yellow pods, 5 in. long, ⅜ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small, long, round, yellowish brown. Does best in medium light soil.
Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., $1.30

POLE BEANS

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

B-11 BLUE COCO POLE BEAN. 65 Days. Ⓥ World famous quality bean. See Novelty page 7.
Pkt., 25c; ½ lb., 65c; lb., $1.15

B-21 KENTUCKY WONDER OR OLD HOMESTEAD. 65 Days. Ⓥ The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-22 KENTUCKY WONDER WAX. 65 Days. Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-44 BURGER'S STRINGLESS OR WHITE SEEDED KENTUCKY WONDER. 63 Days. Popular because adapted to freezing and stringless.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-25 LAZY WIFE OR WHITE CRANBERRY. 74 Days. Fine for snap or green shell beans. Also a good dry shelled bean.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-36 SCARLET RUNNER. 65 Days. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-48 YARD LONG OR ASPARAGUS BEAN. 70 Days. Bears a long, round pod of 18 to 28 inches long, ¼ inch in diameter, light green, nearly round, fleshy, good quality when young.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

SHELL BEANS

B-9 DWARF HORTICULTURAL (Speckled Cranberry). Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ⅝ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff.
Pkt.. 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-12 ENGLISH BROAD WINDSOR. 80-90 Days. Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-32 RED KIDNEY. 95 Days. Plant is large, vigorous. Pods 5 inch long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-45 WHITE KIDNEY. 100 Days. For dry shell use only. Pods 5½ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-46 WHITE MARROW. 100 Days. Plant large with semi-runners, hardy. Pods 5 in. long, ½ in. in diameter. Seed white, oval, short.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

COMMERCIAL BEANS

B-19 GREAT NORTHERN. 90 Days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown.
Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.25

B-28 MICHELITE. 95 Days. White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans.
Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., $1.25

Luxury Limas

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 TRIUMPH. 72 Days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-15 FORDHOOK No. 242. 73 Days. Ⓥ We recommend this variety in preference to Fordhook Bush which it resembles in size and quality, but which it will outyield under adverse conditions.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-14 FORDHOOK BUSH. 75 Days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

BABY FORDHOOK. Pkt., 15c

B-2 BABY FORDHOOK. 70 Days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-6 BURPEE'S IMPROVED BUSH. 75 Days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seeds.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

B-7 CANGREEN. 65 Days. A new green seeded Henderson type of lima well adapted for freezing.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

USDA 2 Henderson. Pkt., 15c

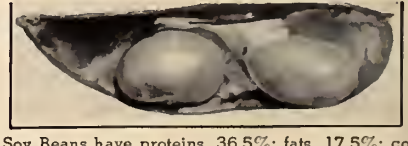
B-42 USDA No. 2 HENDERSON. 65 Days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

POLE

Packet plants, 15 hills; lb., 100 hills.

B-24 KING OF THE GARDEN. 88 Days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality.
Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., $1.50

Edible Soy Beans



Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 BANSEI. 90 Days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow.
Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., $.95c

There is a risk of failure whenever beans are planted in cold soil. If this risk is deliberately assumed to speed up the harvest, treatment of the seed with a disinfectant may prevent mould and fungus disease from developing before the beans sprout. Treat with Semesan, Phygon, XL, Arasan or Spergon, listed on insecticide page.

Table Quality Beets

B-77 BEET PERFECTED DETROIT. Pkt., 15c; ½ oz., 25c

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-78 FIRE BALL. 55 Days. A dark blood red beet that is almost completely free of zonation. See novelty page 7. Pkt., 25c

B-77 PERFECTED DETROIT. 55 Days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red.
Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-76 DETROIT DARK RED. 55 Days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity.
Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-75 CROSBY'S EGYPTIAN. 50 Days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality.
Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-82 LONG DARK BLOOD. 75 Days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles.
Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-80 GREEN TOP BUNCHING. 55 Days. An early extremely attractive bunching beet that we recommend as a top all purpose beet. Tops medium sized, and erect. Foliage grayish-green that does not turn red or brown in fall. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-81 IMPROVED EARLY EGYPTIAN. 45 Days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

Sugar Beets

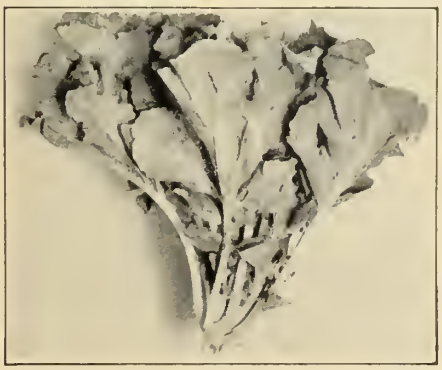
B-93 KLEIN-WANZLEBEN. 100 Days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Wedge shape tapering to tail.
Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., $1.25

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 MAMMOTH LONG RED. 110 Days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose.
Pkt., 15c; oz., 30c; ¼ lb., 75c.; ½ lb., $1.25

B-87 GOLDEN TANKARD. 110 Days. A suitable yellow sort.
Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., $1.25



C-99 COLLARD CABBAGING. Pkt., 15c; oz., 35c

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-99 CABBAGING. 75 Days. A desirable type producing rather compact plants 1½-2 feet high. Large loose clusters of leaves which often tend to head.
Pkt., 15c; oz., 35c; ¼ lb., $1.05

C-100 GEORGIA. 75 Days. Non heading and very generally grown for greens in the south. Plant 2-3 feet tall, erect, spreading.
Pkt., 15c; oz., 35c; ¼ lb., $1.05

Green Broccoli

BROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 DE CICCO. 60 Days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth.
Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50

B-95 ITALIAN GREEN SPROUTING. 70 Days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.65

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually as a fall crop, sown in June.

B-98 IMPROVED DWARF. 80 Days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early.
Pkt., 15c; ½ oz., 50c; oz., 95c

B-99 LONG ISLAND IMPROVED. 90 Days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1¼-1½ in. diameter which mature in succession.
Pkt., 15c; ½ oz., 50c; oz., 95c

BRUSSELS SPROUTS

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

HYBRID CABBAGE

C-18 O-S CROSS. 70 Days. Honorable Mention All America trails 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Its chief merits are huge size, high quality and extreme vigor. The heads weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c

Yellows Resistant Varieties

C-13 EARLY RESISTANT DETROIT. (A Golden Acre Type). 63 Days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only a couple of days later.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-1 BUGNER. 100 Days. ☑A winter variety most popular in the Chicago area. Our strain has been selected for resistant qualities many years.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-10 GLOBE. 75 Days. ☑A resistant Glory of Enkhousen of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-15 CABBAGE JERSEY QUEEN.
Pkt., 15c; ½ oz., 45c

C-15 JERSEY QUEEN. 60 Days. ☑As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-16 MARION MARKET. 75 Days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early or uniform but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-24 WISCONSIN ALL HEAD EARLY. 80 Days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-25 WISCONSIN ALL SEASONS. 90 Days. Either a kraut or home variety, but is used more for kraut than any other purpose.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-28 WISCONSIN BALLHEAD. 100 Days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-5 WISCONSIN COPENHAGEN. 68 Days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-18 O-S HYBRID CABBAGE. Pkt., 35c

C-30 RACINE MARKET. 64 Days. ☑Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

STANDARD CABBAGES

C-4 COPENHAGEN MARKET EXTRA EARLY. 65 Days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-9 EARLY JERSEY WAKEFIELD. 62 Days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-11 GOLDEN ACRE. 60 Days. The earliest round headed cabbage; especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-31 GOLDEN ACRE. (AH45). The earliest strain of Golden Acre Cabbage yet introduced.
Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., $2.50

C-6 DANISH BALLHEAD SHORT STEM. (Dwarf Amager). 105 Days. Heads large, flattened globe shape; very firm and solid; keep very well in storage.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-21 PENN STATE BALLHEAD. 105 Days. Yields as high as 26 tons per acre have been recorded.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-23 PREMIUM FLAT DUTCH. 110 Days. Seed may be sown in the open ground and plants raised without the use of hotbeds.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

Here's Table Quality in Cabbage

C-3 CHIEFTAIN SAVOY. 88 Days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-16 CABBAGE YELLOW RESISTANT MARION MARKET. Pkt., 15c; ½ oz., 45c

Red Cabbage

Valued for Distinctive Flavor

C-14 RED ACRE. 75 Days. ☑An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-17 MAMMOTH ROCK RED. (Long Island Strain). 100 Days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each.
Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

C-22 RED YELLOWS RESISTANT. 100 Days. Not as large as Mammoth Rock Red, but darker and more uniform color.
Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., $2.50

PAOTING. Pkt., 15c CHIHLI. Pkt., 15c

Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

C-26 CELERY CABBAGE MICHIHLI. 90 Days. ☑The most uniform strain of Chinese cabbage.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-20 CELERY CABBAGE CHIHLI. 70 Days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

C-19 CELERY CABBAGE PAOTING. 80 Days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages.
Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00

Celeriac

TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

C-84 LARGE SMOOTH PRAGUE. About 110 Days. A main crop variety.
Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., $2.75

Slender, Tender Carrots

C-49 CARROT, SWEETHEART. Pkt., 20c

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-53 GOLD SPIKE. A new long slender carrot. See Novelty page 7.
Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., $1.75

C-43 IMPERIDA. 77 Days. A brand new carrot with a long slender root and a short strong top. The roots are a deep orange and from 7 to 8" long.
Pkt., 25c; ½ oz. 50c; oz., 85c; ¼ lb., $1.75

C-49 SWEETHEART. 70 Days. ⓥA very fine strain of Nantes type. The top is short and the root is a bright orange with the least core of any variety grown.
Pkt., 20c; ½ oz., 40c; oz., 70c ¼ lb., $1.65

C-51 TOUCHON. 70 Days. ⓥFrom the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it Its flesh is fine grained, sweet and has bright orange coloring.
Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $1.65

C-48 RED HEART. (Red Core Chantenay). 70 Days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

C-47 NANTES HALF LONG SCARLET. 70 Days. ⓥAn early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

C-50 TABLE QUEEN. 70 Days. Half-long type, rich red, tender, crisp and one of the sweetest we know.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

C-45 IMPROVED CHANTENAY. 75 Days. A strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

C-42 GUERANDE OR OXHEART. 70 Days. Of rapid growth, often attaining a weight of ½ pound. It has a good flavor and is tender. A second early.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

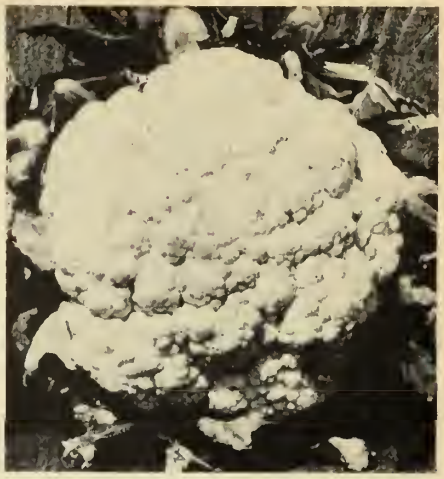
C-44 IMPERATOR. 77 Days. Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

CARROTS FOR STOCK

C-46 IMPROVED LONG ORANGE. 88 Days. A good keeper of fine quality for winter stock feeding.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

C-52 SELECT DANVERS. (Red Core). 75 Days. A half-long type, blunt point. Greater yield than any other.
Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., $1.50

EASY BLANCHING FULL HEART. Pkt., 20c



C-66 CAULIFLOWER IDEAL. Pkt., 50c

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

C-66 IDEAL. 65 Days. ⓥAll American winner 1949. An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head.
Pkt., 50c; ¼ oz., $1.50; ½ oz., $2.85

C-65 VAUGHAN'S SELECT SNOWBALL. 55 Days. ⓥImproved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching.
Pkt., 40c; ¼ oz., $1.25; ½ oz., 2.25

C-64 VAUGHAN'S NEW SNOWBALL. 60 Days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielder than 5elect.
Pkt., 30c; ¼ oz., $1.15; ½ oz., $1.95

C-61 AUTUMN GIANT. 80 Days. A large heading late fall sort not recommended for northern districts.
Pkt., 25c; ¼ oz., 50c; ½ oz., $1.00; oz., $2.00

GARDEN FLOWERS IN COLORS. By Daniel J. Foley. The 350 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. $2.95.

Green Celery Best for Vitamins

START the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

GREEN

C-72 EASY BLANCHING FULL HEART. 110 Days. ⓥAn early variety of erect, compact growth, blanching easily. 5talk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper Recommended for early storage for hearts. A very fine home garden type.
Pkt., 20c; ½ oz., 65c; oz., $1.00

C-86 SUMMER PASCAL. 120 Days. One of the most popular green varieties, used without bleaching. Recommended for home and nearby markets, but is too tender and brittle to stand long distance shipping. Resistant to blight. 5talks are long, solid, crisp, stringless and of excellent quality.
Pkt., 20c; ½ oz., 65c; oz., $1.00

C-80 UTAH PASCAL. (Salt Lake). 125 Days. A green variety recommended for fall use, maturing earlier than Giant Pascal. 5tems thick, solid, broad rounded and of fine quality.
Pkt., 20c; ½ oz., 65c; oz., $1.00

C-74 GIANT PASCAL. 135 Days. A tall late green celery of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use.
Pkt., 20c; ½ oz., 65c; oz., $1.00

YELLOW

C-75 GOLDEN DETROIT. 90 Days. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden 5elf-Blanching type which accentuates the good points of that variety.
Pkt., 20c; ½ oz., 65c; oz., $1.00

C-79 MICHIGAN GOLDEN. 100 Days. Developed at Michigan 5tate Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching.
Pkt., 35c; ½ oz., $1.25; oz., $2.35

GOLDEN SELF BLANCHING. 115 Days. ⓥDwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 TALL STRAIN.
Pkt., 20c; ½ oz., 85c; oz., $1.50

C-77 DWARF STRAIN.
Pkt., 20c; ½ oz., 85c; oz., $1.50

C-76 GOLDEN PLUME. A selection from or a cross with the Golden 5elf-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality.
Pkt., 20c; ½ oz., 85c; oz., $1.50

C-108. HYBRID SWEET CORN GOLDEN CROSS BANTAM, Pkt., 20c; ½ lb., 55c; lb., $1.00.

FOR HARVEST ALL SUMMER SOW

Hybrid Sweet Corn Team

AS THE best combination available in 1948 we have chosen these four varieties for our hybrid sweet corn team: Our Choice, 68 days. Early Southern Cross, 75 days. Golden Cross, 79 days. Improved Golden Label, 83 days. Plant all four at the same time to insure an all-season harvest. 2 oz. of each variety in separate packets totaling in ½ lb.... 50c

Non-Hybrid Sweet Corn

C-106 EXTRA EARLY GOLDEN BANTAM. 78 Days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-114 IMPROVED GOLDEN BANTAM. 85 Days. 10 to 14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-107 GOLDEN BANTAM. V83 Days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-105 EARLY GOLDEN SWEET. Matures in about 68 Days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-124 BANTAM EVERGREEN. 90 Days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-112 GOLDEN 60 DAY. 68 Days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., 1.10; 5 lbs., 2.50

C-123 BLACK MEXICAN. 85 Days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., 1.10; 5 lbs., 2.50

NON-HYBRID WHITE

C-113 HOWLING MOB. 83 Days. A large-eared fine second early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-104 EARLY EVERGREEN. 94 Days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., 1.10; 5 lbs., 2.50

C-102 COUNTRY GENTLEMAN. About 95 Days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

C-120 STOWELL'S EVERGREEN. 95 Days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.10; 5 lbs., $2.50

POP CORN

C-135 ILLINOIS HULLESS. 100 Days. VThe finest quality pop corn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls. See Novelty page 8.

SEED PROCESSED FOR SEEDING. Pkt., 25c ½ lb., 50c; lb., 90c; 2 lbs., $1.65; 5 lbs., $4.25

SEED PROCESSED FOR POPPING. ½ lb., 40c; lb., 65c; 2 lbs., $1.15; 5 lbs., $2.85

C-138 SOUTH AMERICAN. 110 Days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., $2.50

C-139 SOUTH AMERICAN HYBRID. Pkt., 25c; ½ lb., 50c; lb., $1.00; 5 lbs., $4.85

C-141 WHITE RICE. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., $2.50

C-136 JAPANESE HULLESS. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., $2.50

C-137 JAPANESE HULLESS HYBRID. Pkt., 25c; ½ lb., 50c; lb., $1.00 5 lbs., $4.85

Newest Sweet Corn Hybrids

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved in our trials.

A packet plants 40 hills; a paund, 400 hills; 12 lbs., an acre.

Sow two weeks before frast praaf date, seeds two inches deep, three inches apart; ta be thinned aut to six inches; or six seeds ta a hill, 2 to 3 feet apart according ta variety's height, thinning ta three plants per hill. Time succession sowings, two weeks oport.

HYBRID RESISTANT

C-118 GOLDEN HARVEST. 82 Days. VA new variety similar to Golden Cross with the improved white inner silk. Pkt., 25c; ½ lb., 60c; lb., $1.10; 2 lbs., $2.10; 5 lbs., $5.00

C-111 IOCHIEF. 83 Days. All America winner 1951. An outstanding new sweet corn introduction. A fine home garden late variety that is suited to freezing or canning. Pkt., 20c; ½ lb., 55c; lb., $1.00; 2 lbs., $1.90; 5 lbs., $4.50

C-108 GOLDEN CROSS BANTAM. 79 Days. VBeing equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 20c; ½ lb., 50c; lb., 90c; 2 lbs., $1.70; 5 lbs., $4.00

C-122 SURPRISE. (Improved Spancross). 64 Days. 10 to 12 rows, golden yellow, ears 6 to 6½ inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-127 GOLDEN ROCKET. 65 Days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on 6 ft. stalks. Pkt., 15c ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-119 OUR CHOICE. 68 Days. VThis variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear, and completely resistant. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-116 LEE. 73 Days. A second early, bearing large ears, very sweet and heavy yielding. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-129 IMPROVED CARMELCROSS. 75 Days. VA recent introduction that has become the most popular of the second earlies or the early corns that bear large ears. Some claim this variety has the finest flavor of all. A definite improvement over the old Marcross 39. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-130 EARLY SOUTHERN CROSS. 75 Days. A new introduction very similar in type to Improved Carmelcross. A good shipper. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

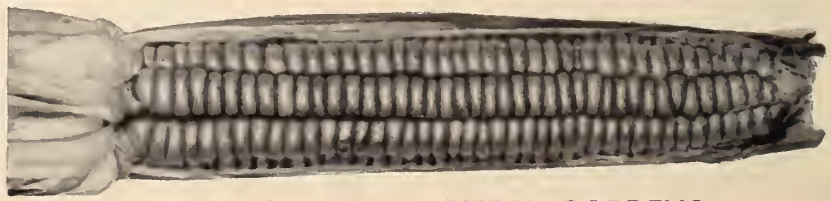
C-115 IOANA. 83 Days. Productive variety, highly resistant to draught and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-109 IMPROVED GOLDEN LABEL. 83 Days. A late variety that bears ears of great size on stalks up to 8 feet in height. The ears are 16 rowed and very tender. This variety is particularly well adapted to drouth areas. Pkt., 15c; ½ lb., 45c; lb., 85c; 2 lbs., $1.60; 5 lbs., $3.75

C-103 COUNTRY GENTLEMAN HYBRID. 99 Days. Like Country Gentleman except heavy yielder. Set solid with irregular rows of kernels. These are white, shoe-peg form, very deep; sweet and tender. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., 1.70; 5 lbs., 4.00

C-121 STOWELLS HYBRID. A large stalked late white. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., $1.70; 5 lbs., $4.00

THE COMPLETE BOOK OF GARDEN MAGIC. By Roy E. Biles. Whatever your interest in gardening, there is vital, helpful, practical information for you in The Complete Book of Garden Magic. It tells you the right way, the best way to get the most out of everything from the simplest house plant to a complete outdoor garden. Here is the expert gardening experience of twenty-five years packed between the covers of one book. Twenty-seven chapters lavishly illustrated—completely indexed to help you find the exact information you want right away. 334 pages. $4.10 Postpaid.



MIDGET CORN FOR SMALL GARDENS

C-125 GOLDEN MIDGET HYBRID. 68 Days. VA new F1 hybrid, sweet corn for the small home garden. Pkt., 50c

C-110 GOLDEN MIDGET. 70 Days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for flavor. Pkt., (2 oz.), 35c

Home Garden Cucumbers

C-170 CUCUMBER MANDARIN. Pkt., 25c

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

C-174 THE VAUGHAN HYBRID. 65 Days. ☑A mosaic resistant long dark green and slender cucumber. Ideal for market or home. See Novelty page 6. Pkt., 25c; ½ oz., $2.75; oz., $5.00

C-171 MARKETER. 65 Days. ☑A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2¼ inches in diameter. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-170 MANDARIN. 45 Days. ☑Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., 25c; oz., $1.00; ¼ lb., $3.00

C-160 A & C (Colorado). 68 Days. A beautifully, long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is inclinded to taper, especially at stem end. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-162 DAVIS PERFECT. 65 Days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 15c; oz., 45c; ¼ lb., $1.25

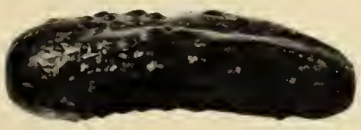
C-180 THE VAUGHAN. 74 Days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 15c; oz., 45c; ¼ lb., $ .25

C-179 STRAIGHT EIGHT. 62 Days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-172 MINCU. 45 Days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-168 IMPROVED LONG GREEN. 68 Days. Used for yellow chunk pickles. The fruit (12 in. long) has a distinctive flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-181 ARLINGTON WHITE SPINE. 62 Days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 15c; oz., 45c; ¼ lb., $1.25



PICKLING CUCUMBERS

C-166 QUICK GROW. 50 Days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and oftentimes will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-183 CHICAGO WESTERFIELD. 58 Days. ☑Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-173 NATIONAL. 54 Days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-165 BOSTON PICKLING. (Green Prolific). 58 Days. Smooth, symmetrical pickle, very early and productive. Pkt., 15c; oz., 45; ¼ lb., $1.25

C-169 JAPANESE CLIMBING. 68 Days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; ¼ lb., $1.25

C-164 YORK STATE. 58 Days. ☑A new mosaic resistant pickle bred by Dr. H. Munger of Cornel University. Pkt., 25c; oz., 65c; ¼ lb., $2.00

Cardoon

C-41 The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; ½ oz., 65c; oz., $1.25; ¼ lb., $3.50

Chicory

C-97 WITLOOF (French Endive). 150 Days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; ½ oz., 40c; oz., 65c

C-96 LARGE ROOTED MAGDEBURG. 65 Days. Roots may be cut in thick slices, roasted and used as a coffee substuted; in spring leaves make good salad. Pkt., 15c; ½ oz., 40c; oz., 65c

C-95 ASPARAGUS CHICORY. 55 Days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 40c; oz., 65c

Chervil

C-93 CHERVIL. 70 Days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; ¼ lb., 75c

THE BOOK OF PERENNIALS

By Alfred C. Hottes. Contents: The Perennial Gardens; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth. $2.75; $2.90 Postpaid.

HAND-POLLINATING EGG PLANT IN JAPAN

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

E-12 VAUGHAN'S HYBRID. 85 Days. ☑A true hybrid introduced by us in 1951, which has met with great success. This variety produces a tremendous crop of very large fruits. The fruit are extremely dark. Pkt., 35c.

E-16 JAPANESE EARLY HYBRID. A very early F1 Hybrid that bears a large number of small to medium ium sized fruit. It is not as suitable as Vaughan's Hybrid Egg Plant for market but a satisfactory early maturing home garden type. Pkt., 25c

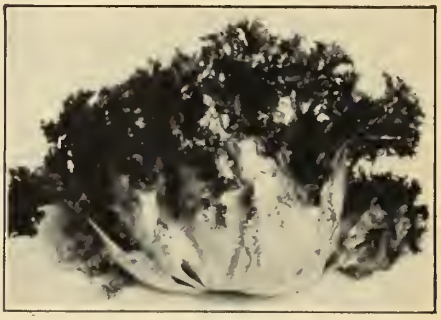
BLACK BEAUTY

E-10 BLACK BEAUTY. 80 Days. Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65

E-13 IMPROVED NEW YORK PURPLE. 83 Days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65

E-11 FLORIDA HIGH BUSH. 85 Days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65

Endive



E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. (Florida Full Heart). 90 Days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-5 GREEN CURLED. 90 Days. Standard variety for fall and winter. When centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-6 MOSS CURLED. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-7 ROSE RIBBED CURLED. In 95 Days. Has leaf ribs of red. Pkt., 15c; oz., 35c; ¼ lb., 80c

L-28 OAK LEAF LETTUCE
Pkt., 20c.

L-16 LETTUCE
GREAT LAKES
Pkt., 20c.

Lettuce for Salads All Summer

SOW as soon as soil can be prepared, ½ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-34 SALAD BOWL. 45 Days. Gold Medal Winner. All American 1952. An excellent quality new home garden lettuce. See Novelty page 6.
Pkt., 25c· ½ oz., 55c; oz., $1.00

L-28 OAK LEAF. 40 Days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens.
Pkt., 20c; ½ oz., 40c; oz., 70c

L-7 BRONZE BEAUTY. 40 Days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze. Pkt., 25c

L-5 BLACK SEEDED SIMPSON. Matures in about 46 Days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.
Pkt., 15c; oz., 40c; ¼ lb., $1.15

L-15 GRAND RAPIDS. 45 Days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season. Pkt., 15c; oz., 40c; ¼ lb., $1.15

L-14 GRAND RAPIDS RESISTANT. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids.
Pkt., 15c; oz., 45c; ¼ lb., $1.40

L-11 EARLY CURLED SIMPSON. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens.
Pkt., 15c; oz., 40c; ¼ lb., $1.15

L-30 PRIZEHEAD. 47 Days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green.
Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25

HEAD LETTUCE

L-6 BIBB (LIMESTONE). 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels.
Pkt., 20c; ½ oz., 30c; oz., 50c

L-18 ICEBERG. 84 Days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg.
Pkt., 15c; oz., 45c; ¼ lb., $1.20

L-8 CALIFORNIA CREAM BUTTER. 75 Days. One of the best summer varieties, large solid heads, buttery flavor.
Pkt., 15c; oz., 35c; ¼ lb., 85c

L-10 CRISP AS ICE. 74 Days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather.
Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25

L-23 MAY KING. 63 Days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 15c; oz., 40c; ¼ lb., $1.00

L-31 BIG BOSTON. 75 Days. Large heads of bright green leaves, very tender.
Pkt., 15c; oz., 35c; ¼ lb., 75c

CALIFORNIA TYPE

L-32 PENNLAKES. 75 Days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing.
Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

L-16 GREAT LAKES. 75 Days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing.
Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

L-20 IMPERIAL No. 456. 80 Days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August.
Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.25

L-6 LETTUCE BIBB. Pkt., 20c.

CALIFORNIA TYPE—Continued

L-19 IMPERIAL No. 44. 82 Days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled.
Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., $1.45

ROMAINE OR COS LETTUCE

This type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-9 MATCHLESS. A great favorite in the east with a quality that many rate with Bibb. The plant is midway between the Cos and heading types. The dark green leaves are pointed and do not form a tight head. The midribs are especially palatable.
Pkt., 25c; oz., $1.00; ¼ lb., $3.00

L-12 EXPRESS COS. In 70 Days. A Vaughan introduction. The most dwarf and earliest of all leaves dark green. Delicious flavor. Self-closing.
Pkt., 15c: oz., 40c; ¼ lb., $1.00

L-29 PARIS WHITE OR TRIANON. In 75 Days. Grows to large size. Self-closing.
Pkt., 15c; oz., 40c; ¼ lb., $1.00

FAST GROWING for POULTRY

L-25 CHICKEN LETTUCE. About 48 Days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again.
Pkt., 15c; oz., 40c; ¼ lb., $1.00

Other Salad Leaves

C-155 WATER CRESS (TRUE WATER). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water.
Pkt., 25c.

C-154 UPLAND CRESS. 50 Days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad.
Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.15

C-153 CURLED GARDEN CRESS. 50 Days. Used with lettuce it adds an agreeable pungency.
Pkt., 15c; oz., 45c; ¼ lb., $1.15

C-151 CORN SALAD. 45 Days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall. Pkt., 15c; oz., 75c; ¼ lb., $1.75

Dandelion

D-1 THICK LEAF OR CABBAGE VARIETY. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size.
Pkt., 15c; ½ oz., $1.00; oz., $1.75

Finnochio

H-22 FENNEL FLORENCE. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces.
Pkt., 15c; ½ oz., 30c; oz., 45c; ¼ lb., $1.35

Fast Growing Home Garden Melons

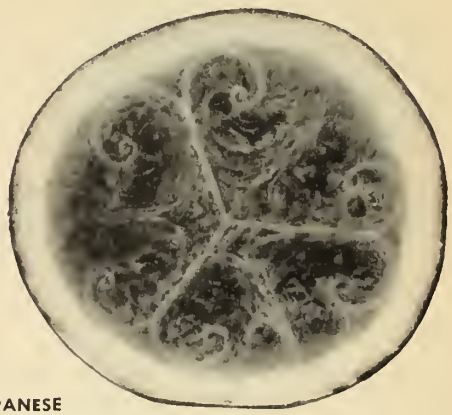
IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

Graw in light sail, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.



JAPANESE SEEDLESS WATERMELON

Orange Fleshed Varieties

M-17 PRIDE OF WISCONSIN. 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-15 MILWAUKEE MARKET. 80 Days. ☑Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-12 HONEY ROCK (or Sugar Rock). 85 Days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-6 BENDER'S SURPRISE. 90 Days. Large thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-14 IROQUOIS. 90 Days. ☑Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6½ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c; oz., 55c; ¼ lb., $1.55

Green Fleshed Varieties

M-18 ROCKY FORD OR NETTED GEM. 95 Days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-11 HONEY DEW. 110 Days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-19 SCHOON'S HARDSHELL. (New Yorker). 95 Days. A high quality melon with an extra hard shell which makes it fine for shipping. This is the type grown by most of the market gardeners in the Chicago area.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-5 BANANA. 98 Days. Cucumber shape. Delicious odor. A novelty melon for the home garden.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-21 TIP TOP. 96 Days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

M-10 HEARTS OF GOLD. 80 Days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures.
Pkt., 15c; oz., 45c; ¼ lb., $1.35

Watermelons That Ripen Early

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-55 WATERMELON, JAPANESE SEEDLESS. 90 Days. ☑This was developed by Japanese plant breeders using a scientific formula. It is of ice-box size, with pink flesh of delicious sweetness. A few undeveloped, soft seeds remain, which are eaten unnoticed like cucumber seeds. With the seeds are sent those of a normal variety to be grown in an adjoining row to furnish pollen. Fine for home gardens.
Packet of 15 seeds, 50c.

WATERMELON NEW HAMPSHIRE MIDGET
Pkt., 25c

M-48 NEW HAMPSHIRE MIDGET. 75 Days. ☑A small very early home garden All America 1950 winner. Pkt., 25c; oz., 60c; ¼ lb., $1.75

M-50 CONGO WATERMELON. 90 Days. ☑A new large anthracnose resistant melon. Congo seems destined to replace the Florida Giant as the top variety for shipping. This green striped melon has a bright red flesh that is exceptionally sweet.
Pkt., 15c; oz., 60c; ¼ lb., $1.75

M-40 HYBRID DIXIE QUEEN. 82 Days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet. Pkt., 25c

WILT RESISTANT MELON, IROQUOIS.
Pkt., 25c

M-39 DIXIE QUEEN. 85 Days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-49 STONE MOUNTAIN RESISTANT No. 5. 85 Days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-38 COLE'S EARLY. (Harris Earliest). 80 Days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-47 EARLY KANSAS OR RED RUSSIAN. 85 Days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-41 FLORIDA GIANT (Black Diamond or Cannon ball). 95 Days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-51 TOM WATSON. 92 Days. Fruits very large, oblong, cylindrical, symmetrical, flesh deep red, and sweet. Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-43 ICE BOX. 78 Days. ☑It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-45 WILT RESISTANT KLECKLEY'S No 6. 85 Days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-53 WINTER WATERMELON. 85 Days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-46 KLONDIKE RESISTANT No 7. 90 Days. Exterior color dark green, flesh very dark pink.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-35 BLACK LEE. 90 Days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-42 GOLDEN HONEY. 90 Days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

CITRON. 92 Days. For Preserves.

M-37 RED SEEDED.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

M-36 GREEN SEEDED.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

THE BOOK OF PERENNIALS
By Alfred C. Hottes.

Contents: The perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth, **$2.75**.

Garden Herbs

SWEET MARJORAM. Pkt., 20c.

H-20 MIXTURE OF ANNUAL HERB SEEDS FOR PKT., 35c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

H-21 MIXTURE OF PERENNIAL HERB SEEDS FOR PKT., 35c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

H-1 ANISE. Used for garnishing, seasoning and for cordials. Pkt., 20c; ½ oz., 60c; oz., $1.10

H-17 BASIL, SWEET, LARGE LEAVED. The leaves are used for flavoring soups and stews. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, egg plant, squash, carrots, peas, meat and especially for meat substitutes, including beans and fish.
Pkt., 20c; ½ oz., 60c; oz., $1.10

H-3 BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks.
Pkt., 20c; ½ oz., 65c; oz., $1.20

H-4 CARAWAY. Seeds are used for flavoring bread. pastry, meats, etc.
Pkt., 15c; ½ oz., 40c; oz., 70c

H-5 CATNIP. Grown for bee pasture. The leaves and young shoots are used for seasoning.
Pkt., 20c; ½ oz. 70c; oz., $1.35

H-7 CORIANDER. The seeds are used for flavoring.
Pkt., 15c; ½ oz., 50c; oz., 95c

H-8 DILL. Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats.
Pkt., 10c; oz., 30c; ¼ lb., 90c

H-12 LAVENDER VERA OR TRUE. The best.
Pkt., 25c; ½ oz., $1.50; oz., $2.75

H-13 ROSEMARY. The fragrant leaves are used in sachets and pot pourris, also to flavor roasts and stews.
Pkt., 20c; ½ oz., 70c

H-14 SAFFRON (false). Used for coloring dishes, also flavoring. Pkt., 20c; ½ oz., 60c; oz., $1.10

H-16 SUMMER SAVORY. The leaves and young shoots are used for flavoring. Much used as a flavoring for beans, and in salads, vegetables, stews and other dishes. Pkt., 20c; ½ oz., 50c; oz., 90c

H-15 SAGE. A strongly flavored old-time favorite used in pork sausage and poultry seasoning. English Broad Leaf. Pkt., 20c; ½ oz., 70c; oz., $1.35

H-9 SWEET FENNEL. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. It is said Fennel is to fish what Mint is to lamb.
Pkt., 20c; ½ oz., 50c; oz., 90c

H-18 SWEET MARJORAM. Tender perennial best treated as an annual. A favorite for flavoring soups, stews, salads, and meat dishes and sausage.
Pkt., 20c; ½ oz., $1.00; oz., $1.90

H-19 THYME. Used for seasoning meats, poultry, fish, cheese, eggs, soups, vegetables, stuffings and salads. A tea is also made for nervous headache.
Pkt., 25c; ¼ oz., 60c; ½ oz., $1.00; oz., $1.85

Garden Huckleberry

G-1 Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which makes preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin.
Pkt., 15c; ½ oz., 50c; oz., 90c

Storage Onions Are Best Grown from Seed

SOW with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.
Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c

WINTER KEEPERS

O-24 AUTUMN SPICE HYBRID. 105 Days. ⓥA new hybrid for 1952. An excellent keeping Southport type onion with a beautiful dark skin. This variety will outyield the standard Southport types and matures earlier. The bulbs are extra hard and the flesh is pungent and a creamy white.
Pkt., 35c

O-10 GOLDEN GLOBE. 115 Days. An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-19 SOUTHPORT YELLOW GLOBE. BALL TYPE. 110 Days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-18 SOUTHPORT RED GLOBE. About 110 Days. A perfect globe shape, deep red skin and tinted white, one of the best winter keepers.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-13 "MOUNTAIN" DANVERS. 100 Days. Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-14 LARGE RED WETHERSFIELD. About 100 Days. Bulbs 2 to 2½ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-9 FANCY YELLOW GLOBE DANVERS. About 110 Days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-6 BRIGHAM YELLOW. GLOBE. 110 Days. A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-20 SOUTHPORT WHITE GLOBE. About 110 Days. A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

FOR GREEN ONIONS

O-23 WHITE LISBON (Bunch Onion). The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter top.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-11 HE-SHI-KO. 50 Days. An early bunch onion. deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

Flat and Pickling Type

O-25 WHITE PORTUGAL OR SILVERSKIN. About 100 Days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-8 EBENEZER. In 100 Days. There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

BERMUDA TYPE

O-7 CRYSTAL WHITE WAX. In about 90 Days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

SPANISH TYPE ONIONS

VALENCIA SWEET SPANISH (Utah Strain). 110 Days. A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

O-21 WHITE.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-22 YELLOW.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

RIVERSIDE SWEET SPANISH. 110 Days. A California strain. When grown in southern California attains enormous size, 4 to 4½ pounds.

O-16 YELLOW.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-17 WHITE.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

O-15 PRIZETAKER. American Grown. 105 Days. Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild.
Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00

HYBRID SWEET SPANISH ONIONS
Harvested in Chicago area in August

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15 to May 20.

BERMUDA (for early green onions).

YELLOW SWEET SPANISH (for large onions).
Per bunch postpaid 55c; ten bunches, $4.25

HYBRID SWEET SPANISH (for exhibition onions). See Novelty page 8.
Per bunch, postpaid, 65c; ten bunches, $5.00

Onion Sets Grow Quickly

WHITE RED YELLOW

VAUGHAN'S BOTTOM ONION SETS

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artifically dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good conditon. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Quantity needed for 75 to 100 ft., 1 lb.
Onion sets prices postpaid

O-32 WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted.
Lb., 45c; 2 lbs., 85c; 5 lbs. for $1.80; 10 lbs. for $3.40

O-34 YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted.
Lb., 45c; 2 lbs., 85c; 5 lbs. for $1.80; 10 lbs. for $3.40

O-31 RED BOTTOMS. Bright, deep red in color, even and dry.
Lb., 45c; 2 lbs., 85c; 5 lbs. for $1.80; 10 lbs. for $3.40

O-30 GOLDEN GLOBE. Large yellow globe. Very desirable as a large dry onion for the home gardener A superior keeper.
Lb., 45c; 2 lbs., 85c; 5 lbs. for $1.80; 10 lbs. for $3.40

O-35 YELLOW MULTIPLIERS. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb.
Lb., 55c; 2 lbs., 95c; 5 lbs. for $2.00; 10 lbs. for $3.85

Garlic Sets

G-2 SELECTED BAVARIAN. In about 110 Days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement.
Lb., 75c; 10 lbs., $6.00. Postage extra. Write for latest market prices on quantities.

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender.
Pkt., 15c; ½ oz., 45c; oz., 85c

Horseradish Sets

HORSERADISH. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets.
Doz., 50c; 100, $2.75; 1,000, $22.00

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages.
$4.50; $4.65 Postpaid

EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 EGYPTIAN OR RED PERENNIAL. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Postpaid, lb., 55c;
2 lbs., 95c; 5 lbs., $2.00; 10 lbs. for $2.85

L-2 LEEK ELEPHANT. Pkt., 15c

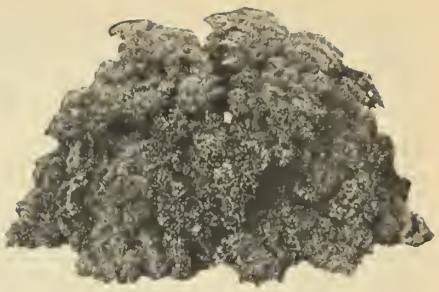
Leeks

LEEKS are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 Days.

L-2 ELEPHANT. Largest of all leeks.
Pkt., 15c; ½ oz., 40c; oz., 65c

L-4 LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort.
Pkt., 15c; ½ oz., 40c; oz., 65c

L-1 BROAD SCOTCH OR LONDON FLAG. Hardy; a strong plant, with broad leaves. ½
Pkt., 15c; ½ oz., 40c; oz., 65c



P-30 PARSLEY, Champion Moss Curled. Pkt., 15c

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is on of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 CHAMPION MOSS CURLED. In about 70 Days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy.
Pkt., 15c; oz., 35c; ¼ lb., 75c

P-34 EXTRA TRIPLE CURLED PARSLEY (Vaughan's XXX). 75 Days. Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-33 PLAIN OR ITALIAN. 72 Days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-32 HAMBURG ROOTED. 90 Days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 15c; oz., 35c; ¼ lb., 75c

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 ALL AMERICAN (Marrowfat). 95 Days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner.
Pkt., 15c; oz., 35c; ¼ lb., 75c

P-40 HOLLOW CROWN, LONG SMOOTH. About 95 Days. Tender and sugary; one of the best.
Pkt., 15c; oz., 35c; ¼ lb., 75c

P-40 PARSNIP, HOLLOW CROWN. Pkt., 15c

P-11 LITTLE MARVEL PEA. Pkt., 15c

Sow Early for Success With Peas

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

P-17 WANDO. 64 Days. ☑A high quality heat resistant pea that is adapted to fall planting as well as spring. See Novelty page 6.
Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35

P-11 LITTLE MARVEL. 64 Days. ☑The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-7 GIANT STRIDE. 74 Days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-12 NOTT'S EXCELSIOR. In 60 Days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-13 PREMIUM GEM. 60 Days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-10 LAXTON'S PROGRESS. 62 Days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-8 HUNDREDFOLD. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas, Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-5 DWARF TELEPHONE OR DAISY. About 76 Days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class reselected stock.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-14 THOMAS LAXTON. Pkt., 15c.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see page 96.

SEEDLESS-SET CONCENTRATE
Make Every Tomato Flower Set Fruit

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are **seedless,** of premium quality. Developed by famous Boyce, Thompson Institute.
One-half ounce will treat 100 plants, $1.00; 2 oz., $2.50; 20 ounces, $7.50, prepaid.

Eat Your Own Peas Six Weeks for 40c

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

ALASKA—Earliest
LITTLE MARVEL—Dwarf
THOMAS Laxton—Medium, Main Crop

1 Pkt. of each (3 pkts.)...40c.
½ lb. of each (1½ lbs.)...85c.
1 lb. of each (3 lbs.).....$1.35

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 IMPROVED TELEPHONE. 74 Days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-6 GREEN BAYOU. 64 Days. A cross between Thomas Laxton and Creole made by Dr. Miller of Louisiana State experiment station. This variety has resistance to heat and possesses a better quality comparable to Alaska.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-15 WORLD'S RECORD OR IMPROVED GRADUS. 57 Days. Gradus is the greatest of the wrinkled peas; it is large early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-14 THOMAS LAXTON. About 62 Days. ☑The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

P-1 ALASKA—CALLED EARLIEST OF ALL. In about 57 Days. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

EDIBLE POD PEAS

Cooked Like String Beans

P-4 DWARF GRAY SUGAR. About 65 Days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are: stringless, brittle and succulent.
Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c

Kohlrabi

SOW in April or May in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

VIENNA KOHLRABI EARLY WHITE. Pkt., 15c

K-11 EARLY WHITE VIENNA. 55 Days. White and tender. Pkt., 15c; ½ oz., 35c; oz., 55c

K-10 EARLY PURPLE VIENNA. About 60 Days. Pkt., 15c; ½ oz., 35; oz., 55c

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 WHITE VELVET. 70 Days. Produces pods larger than any other.
Pkt., 15c; oz., 25c; ¼ lb., 65c

O-3 TALL OR PERKINS MAMMOTH. 68 Days. The long pods, measuring 4 and 5 in. are produced in great quantities.
Pkt., 15c; oz., 25c; ¼ lb., 65c

O-2 DWARF LONG POD. 65 Days. Low, stocky and productive, with long pods.
Pkt., 15c; oz., 25c; ¼ lb., 65c

O-1 CLEMSON SPINELESS. 55 Days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod.
Pkt., 15c; oz., 25c; ¼ lb., 65c

O-2 OKRA DWARF LONG POD. Pkt., 10c

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt. 15c; ½ oz., 35c; oz., 65c

NO SEED HORMONE BLOSSOM SET

Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c postpaid; pint, makes 4 gallons, price each, $1.75 postpaid.

Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.

P-73 YOLO WONDER. 70 Days. ⓋA new mosaic resistant variety originating from a cross between California Wonder and Elephant Trunk, a mosaic resistant variety from Italy. Tobacco mosiac, is a disease of egg-plant and tomatoes as well as peppers, all being cousins of the tobacco plant. It is spread by smokers, and is widely prevalent.
Pkt., 35c; ½ oz., $1.00; oz., $1.85
See Novelty page 7.

P-61 PEPPER HUNGARIAN OR BANANA SWEET. Pkt., 15c

P-52 CALIFORNIA WONDER. Pkt., 15c

P-51 BULL NOSE, HOT. 60 Days. A pungent pepper.
Pkt., 15c; ½ oz., 40c; oz., 75c

P-52 CALIFORNIA WONDER. 75 Days. A mild sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., $1.00

P-57 EARLY CALIFORNIA WONDER (Calwonder) 65 Days. ⓋA quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4½ inches with thick flesh a deep green changing to bright crimson.
Pkt., 15c; ½ oz., 50c; oz., $1.00

P-53 CAYENNE. 70 Days. Long, red, hot.
Pkt., 15c; ½ oz., 40c; oz., 75c

P-58 GIANT MAGNUM DULCE. 67 Days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds.
Pkt., 15c; ½ oz., 45c; oz., 85c

P-75 GOLDEN CALIFORNIA WONDER. 80 Days. ⓋThe same as California Wonder except that the fruit turns a bright golden yellow.
Pkt., 25c; ½ oz., 65c; oz., $1.20

P-59 HARRIS' EARLY GIANT. 63 Days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; pepper 4 x 4½ inches. Color, deep green turning to red, very sweet.
Pkt., 15c; ½ oz., 40c; oz., 75c

P-60 HUNGARIAN OR BANANA (Hot). 65 Days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 7 inches long. Yellow turning to red.
Pkt., 15c; ½ oz., 50c; oz., 90c

P-61 HUNGARIAN OR BANANA (Sweet). 65 Days. ⓋSame as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers.
Pkt., 15c; ½ oz., 60c; oz., $1.15

P-63 KING OF THE NORTH. 64 Days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz.,.40c; oz., 75c

P-64 LARGE BELL. 60 Days. Large, mild.
Pkt., 15c; ½ oz., 40c; oz., 75c

P-62 PATRICK HENRY. 58 Days. ⓋThe earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop. Packets only, 25c.

P-68 PIMENTO PERFECTION. 73 Days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c

P-70 RUBY KING. In 68 Days. One of the most popular growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor.
Pkt., 15c; ½ oz., 40c; oz., 75c

P-69 RED CHILI. 75 Days. An exceptionally prolific variety that is really hot. The fruit are thin-fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use.
Pkt., 15c; ½ oz., 45c; oz., 75c

P-71 SUNNYBROOK. 73 Days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet.
Pkt., 15c; ½ oz., 50c; oz., 90c

BETTER HOMES & GARDENS GARDEN BOOK

Edited By Fleeta Brownell Woodroffe.

Now, you can get down-to-earth on all phases of gardening, landscaping, and lawn care, from Better Homes & Gardens editors. You'll see how to use every square foot of space for beauty and privacy, how to grow beautiful flowers, prizewinning fruits and vegetables, how to make your lawn velvety green. Everything in this new Garden Book is clearly explained in pictures and everyday language.

Written for the beginner and experienced gardener alike. Easy-to-follow, step-by-step directions tell you what to do and when to do it.

Lavishly illustrated in full color. 520 pages, 1,500 photos, charts, drawings. Chapters tab indexed for quick reference. Convenient loose-leaf ring binder. A new idea in garden books. $3.95; $4.10 postpaid.

SMALL SUGAR PIE PUMPKIN. Pkt., 15c

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 SMALL SUGAR PIE PUMPKIN. 110 Days. ☑Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor.
Pkt., 15c; oz., 30c; ¼ lb., 75c

CUSHAW. 110 Days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end.
Pkt., 15c; oz. 30c; ¼ lb., 75c

P-92 WHITE. P-91 STRIPED. P-90 GOLDEN.

P-96 MAMMOTH PRIZE. About 120 Days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill).
Pkt., 15c; oz., 30c; ¼ lb., 75c

P-98 WINTER QUEEN OR WINTER LUXURY. About 100 Days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting.
Pkt., 15c; oz., 30c; ¼ lb., 75c

P-93 KENTUCKY FIELD (Large Cheese). About 120 Days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 15c; oz., 30c; ¼ lb., 75c

P-95 LARGE FIELD OR BIG TOM. 110 Days. ☑A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns.
Pkt., 15c; oz., 30c; ¼ lb., 75c

PUMPKIN "BIG TOM." Pkt., 15c

Radishes for All Season

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, ½ inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to make the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

(F.) Forcing Sorts.

R-9 CHERRY BELLE. 25 Days. ☑All American winner, 1949. See Novelty Page 7.
Pkt., 25c; oz., 35c; ¼ lb. $1.00; ½ lb., $1.75

EARLY SCARLET GLOBE SELECT. (F.) 23 Days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 SHORT TOP.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-10 MEDIUM TOP.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-11 RADISH SCARLET GLOBE SHORT TOP. Pkt., 15c

R-13 ICICLE. 27 Days. ☑The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-14 FRENCH BREAKFAST. (F.) 25 Days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-22 CAVALIER. 23 Days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-12 GIANT BUTTER. 28 Days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-7 CRIMSON GIANT. (F.) 28 Days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-18 SCARLET TURNIP WHITE TIP RADISHES. Pkt., 15c

R-3 BRIGHTEST LONG SCARLET. 26 Days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-6 CINCINNATI MARKET. 28 Days. A long red radish, short top. If your market uses a long sort try this one.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-18 SCARLET TURNIP WHITE TIP (Sparkler). 26 Days. ☑Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality-appealing to the eye and palate.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-20 WHITE BOX—(Early White Turnip). 20 Days. Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp.
Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

SUMMER RADISHES

R-13 RADISH ICICLE Pkt., 15c

R-21 WHITE STRASSBURG. 40 Days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following: Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., $1.55

R-4 CALIFORNIA MAMMOTH WINTER. About 60 Days. Long, very large size.

R-16 ROSE OR SCARLET CHINA. About 52 Days. Rose, medium size, fine keeper.

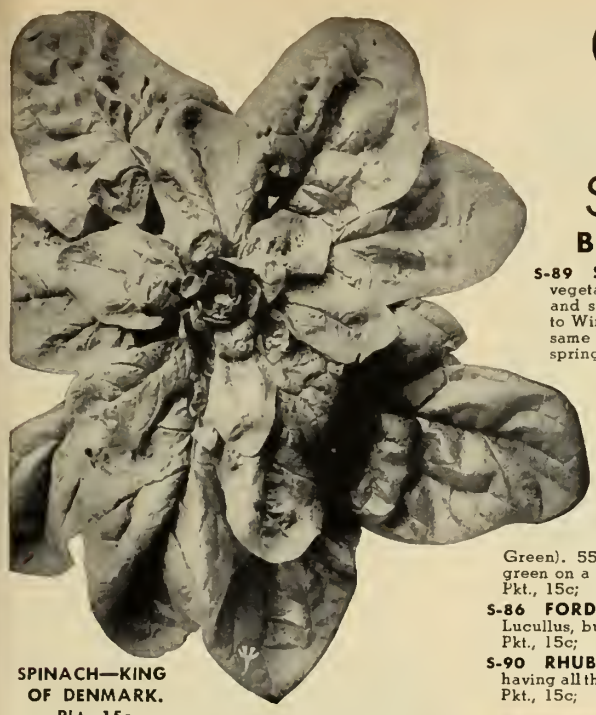
R-5 CHINESE MAMMOTH OR CELESTIAL. About 60 Days. Immense size, flesh always crisp and mild.

R-1 BLACK SPANISH, LONG. 58 Days. Black skin and white flesh.

R-2 BLACK SPANISH, ROUND. 56 Days. Like Long Black, only round.

Green Leafy Crops

Richest of All in Vitamins



SPINACH—KING OF DENMARK. Pkt., 15c

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. New Zealand Spinach, however, is better sown in early spring as soon as the ground may be worked. The value of spinach in the diet has been scientifically established by the vitamin investigation.

S-13 AMERICA. 45 Days. ☑All America Silver Medal, 1952. An extremely long-standing variety with Savoy type leaves, latest of this type.
Pkt., 15c; oz., 35c; ¼ lb., 90c

S-9 NOBEL GIANT THICK LEAVED. 45 Days. The largest spinash under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach.
Pkt., 15c; oz., 30c; ¼ lb., 80c

S-12 VIKING. 45 Days. This 1935 All-American winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market.
Pkt., 15c; oz., 30c; ¼ lb., 80c

S-7 KING OF DENMARK (Antvorskov). 48 Days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 15c; oz., 30c; ¼ lb., 80c

S-6 BLOOMSDALE LONG STANDING. 45 Days. Improvement was accomplished through the selection of bisexual plants which seed more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 15c; oz., 30c; ¼ lb., 80c

S-5 BLOOMSDALE DARK GREEN. 43 Days. The leaf is of a darker green than Bloomsdale Long Standing. Pkt., 15c; oz., 30c; ¼ lb., 80c

S-10 OLD DOMINION. 40 Days. An improvement over Virginia Blight Resistant being a longer standing variety. Pkt., 15c; oz., 30; ¼ lb., 80c

Swiss Chard

BEARS ALL SUMMER

S-89 SUMMER SPINACH. 45 Days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds.
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-88 LUCULLUS. About 52 Days. A new Moss Curled sort. Very large leaves.
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-87 LARGE WHITE RIB. (Dark Green). 55 Days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide.
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-86 FORDHOOK. 57 Days. This variety resembles Lucullus, but is a darker green.
Pkt., 15c; oz., 35c; ¼ lb., 75c

S-90 RHUBARB CHARD. A recent introduction having all the chard characteristics excepting mid rib.
Pkt., 15c; oz., 35c; ¼ lb., 75c

SINGLE PLANT OF NEW ZEALAND SPINACH. Pkt., 15c

NEW ZEALAND SPINACH

Sow in Early Spring

S-8 NEW ZEALAND SPINACH. Tetragonia Expansa. 60 Days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.
Pkt., 15c; oz., 35c; ¼ lb., $1.00

GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c

GREENHOUSE GARDENING FOR EVERYONE. By Ernest D. Chabot. Here for the first time is a book giving the principles of gardening under glass in down-to-earth language. Every phase is covered from a 2x4 cold frame to a small or large heated greenhouse. 366 pages. $4.00.

S-87 SWISS CHARD. Large. Pkt., 15c

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

K-1 DWARF GREEN CURLED. In about 55 Days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north.
Pkt., 15c; oz., 40c; ¼ lb., $1.25

K-3 TALL GREEN CURLED. About 75 Days.
Pkt., 15c; oz., 40c; ¼ lb., $1.25

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 Days.

M-76 TENDERGREEN. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year.
Pkt., 15c; oz., 30c; ¼ lb., 80c

M-72 FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor.
Pkt., 15c; oz., 30c; ¼ lb., 80c

M-73 GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach.
Pkt., 15c; oz., 30c; ¼ lb., 80c

M-74 IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards.
Pkt., 15c; oz., 30c; ¼ lb., 80c

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discussess all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. $4.50.

Squash Improved in Taste and Texture

REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.
FRONT, SWEET POTATO IMPROVED

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

S-40 UCONN. 75 Days. ☑A bush type of Acorn (gold medal winner 1950 All America).
Pkt., 25c; oz., 65c; ¼ lb., $1.85

S-20 ACORN, TABLE QUEEN OR DES MOINES. 80 Days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, 5½ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-24 BUTTERNUT. 100 Days. ☑A recent introduction which has become very popular. Delicious when used for pies and excellent either baked or boiled. Resistant to stem borer.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-23 BUTTERCUP. 100 Days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter, slightly ribbed, deep dull green faintly striped and flecked with dull gray. Prominent button at blossom end, dry and of excellent quality.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-30 SWEET POTATO IMPROVED. (Delicata Resistant). 100 Days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

DELICIOUS (Green or Golden). In 102 Days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.

S-27 GREEN. Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-29 GOLDEN. Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-25 CHICAGO WARTED HUBBARD. 110 Days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-31 "KITCHENETTE" (Hubbard). 110 Days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-22 SQUASH BLUE HUBBARD, Pkt., 15c

S-22 BLUE HUBBARD. 110 Days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-35 IMPROVED HUBBARD. In 110 Days. Not as large as Chicago Warted, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well. Pkt., 15c; oz., 45c; ¼ lb., $1.25

Vegetable Marrows

S-39 CASERTA. 60 Days. ☑An Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana. Pkt., 25c; oz., 65c; ¼ lb., $1.85

NEW ITALIAN MARROW. (Zucchini). 60 Days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.

S-34 LIGHT GREEN OR GRAY STRAIN.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-33 DARK GREEN OR BLACK STRAIN.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-26 COCOZELLE (Italian Vegetable Marrow). Ready in about 65 Days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-28 ENGLISH VEGETABLE MARROW. About 100 Days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

OTHER TYPES

S-36 PROLIFIC STRAIGHTNECK. 55 Days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-32 MAMMOTH WHITE BUSH. About 60 Days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature.
Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-37 GIANT YELLOW SUMMER CROOKNECK. In about 55 Days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 15c; oz., 45c; ¼ lb., $1.25

S-21 BANANA SQUASH. In 105 Days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; ¼ lb., 80c

S-38 YELLOW SUMMER CROOKNECK. Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and 3½ inches through; neck curved, skin orange, flesh yellow, moderately warted.
Pkt., 10c; oz., 30c; ¼ lb., 75c

T-93 TURNIP PURPLE TOP WHITE GLOBE.
Pkt., 15c

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August, and the plants will grow until freezing weather, when they should be harvested and stored.

T-93 PURPLE TOP WHITE GLOBE. 57 Days. ☑Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper.
Pkt., 15c; oz., 25c; ¼ lb., 60c

T-92 PURPLE TOP STRAP-LEAVED. About 46 Days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality.
Pkt., 15c; oz., 25c; ¼ lb., 60c

T-88 EARLY WHITE MILAN. In 42 Days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet.
Pkt., 15c; oz., 25c; ¼ lb., 60c

T-95 SHOGOIN. 30 Days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphis and plant lice.
Pkt., 15c; oz., 25c; ¼ lb., 60c

T-94 SEVEN TOP. 30 Days. A variety much grown in the south for the tops, which are used as greens.
Pkt., 15c; oz., 25c; ¼ lb., 60c

T-89 EXTRA EARLY PURPLE TOP MILAN. About 42 Days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 15c; oz., 25c; ¼ lb., 60c

Rutabagas Mature in 90 Days

R-31 IMPROVED AMERICAN PURPLE TOP. Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality.
Pkt., 15c; oz., 25c; ¼ lb., 60c

R-32 LAURENTIAN. A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 15c; oz., 25c; ¼ lb., 60c

Tomato is No. 1 Home Garden Crop

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

HYBRID TOMATOES

T-44 VAUGHAN'S EARLY HYBRID. 68 Days. ⓋA heavy yielding, very early and large fruited variety. Novelty page 6. Pkt., 35c

LARGE TOMATOES

T-19 GIANT TREE. 88 Days. ⓋThe most outstanding large tomato for size and quality, for description see Novelty Page 6. Packets only. 50c

T-36 PONDEROSA. 88 Days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 15c; ½ oz., 65c; oz., $1.25

T-34 OXHEART. 90 Days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c; ½ oz., 65c; oz., $1.25

T-12 CRIMSON CUSHION OR BEEFSTEAK. 96 Days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., $1.25

EARLY, SMALL VINES

Do Not Prune

T-16 EARLY CHATHAM. 60 Days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c

T-7 BOUNTY. 65 Days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota, Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c

T-17 FIRESTEEL. 68 Days. ⓋA small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c

EARLY, LARGE VINES

T-41 EARLIANA. 66 Days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 15c; ½ oz., 50c; oz., 90c

T-26 JOHN BAER CERTIFIED. About 70 Days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 15c; ½ oz., 50c; oz., 90c

T-6 BONNY BEST CERTIFIED. 74 Days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 15c; ½ oz., 50c; oz., 90c

AMERICA'S GARDEN BOOK

By Louise Bush-Brown and James Bush-Brown

In this new, entirely revised edition, "America's foremost garden book" has been brought completely up-to-date. The authors have been in close touch with recent progress in horticulture, and they have included here all of the innovations which have proved their worth in gardening during the past decade.

The significant advances in horticultural practices, particularly in soil management, in the control of pests and diseases, and in the elimination of weeds and other undesirables are all included, as well as recommendations of the many notable new varieties of plants that have been introduced.

Illustrated with more than 160 photographs, sketches, diagrams and maps. 1242 pages. Priced at $4.50, $4.65 Postpaid.

WILT RESISTANT

T-29 QUEENS. 76 Days. ⓋNew Red for 1952, bred by L. G. Schermerhorn of New Jersey Experiment Station. A cross between Rutgers and Valiant, giving early maturity to Rutgers type of fruit. Pkt., 25c; ½ oz., 65c; oz., $1.25

T-18 GARDEN STATE. 83 Days. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and solid. Pkt., 15c; ½ oz., 50c; oz., 90c

T-31 MARGLOBE CERTIFIED. 77 Days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 15c; ½ oz., 50c; oz., 90c

T-40 RUTGERS CERTIFIED. 86 Days. ⓋA New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 15c; ½ oz., 50c; oz., 90c

T-40 TOMATO CERTIFIED RUTGERS. Pkt., 15c

T-38 PRITCHARD CERTIFIED (Scarlet Topper). 76 Days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 50c; oz., 90c

T-47 VALIANT. 70 Days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., $1.00

T-22 WISCONSIN 55, CERTIFIED. 83 Days. A new, very fine red main crop variety that matures slightly ahead of Rutgers. Pkt., 15c; ½ oz., 50c; oz., 90c

T-8 BREAK O'DAY CERTIFIED. 70 Days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Use whole for salads or stuffed. Pkt., 15c; ½ oz., 50c; oz., 90c

BEST YELLOW VARIETY

T-27 JUBILEE. 80 Days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 55c; oz., $1.00

T-18 TOMATO GARDEN STATE. Pkt., 15c

OTHER POPULAR VARIETIES

T-32 NEW GLOBE. Matures in about 82 Days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 15c; ½ oz., 50c; oz., 90c

T-23 IMPROVED NEW STONE CERTIFIED. 86 Days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 15c; ½ oz., 50c; oz., 90c

T-14 DWARF STONE. The Largest Dwarf Tomato. 92 Days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 15c; ½ oz., 50c; oz., 90c

SMALL FRUITED TOMATOES

T-51 ITALIAN CANNER. 75 Days. A very productive long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 15c; ½ oz., 50c; oz., 90c

FOR GREENHOUSE

T-45 LIVINGSTON GLOBE. Pink. Pkt., 25c

T-46 MICHIGAN STATE FORCING. Red. Pkt., 25c

For Pickles and Preserves. 73 Days

T-53 RED CURRANT. Very small.

T-52 RED CHERRY. Small fruit, bright scarlet.

TWO PEACH TOMATOES

T-54 RED. **T-57 YELLOW.**

T-59 YELLOW PLUM. **T-58 YELLOW PEAR.**

T-50 GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies.

Any of the above pkt., 15c; ½ oz., 50c; oz., 90c.

Tobacco Seeds

T-3 CONNECTICUT SEED LEAF. Best adapted to northern states. Pkt., 15c; ½ oz., 40c; oz., 75c

T-2 BURLEY. Pkt., 15c; ½ oz., 40c; oz., 75c

Rhubarb

R-27 MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 15c; oz., 45c; ¼ lb., $1.25

R-26 VICTORIA. A popular red strain. Pkt., 15c; oz., 45c; ¼ lb., $1.25

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add zone rate postage.) 1 lb., for 1 root; 2 lbs., for 3 roots; 3 lbs., for 6 roots; 5 lbs., for 10 roots.

CHIPMAN'S CANADA RED. Stems dark red clear to heart. Makes a sweet fine flavored, beautiful red sauce. Divisions, 75c; 3 for $2.00; 10 for $6.00

McDONALD CRIMSON, DIVISIONS. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 60c; 3 ofr $1.65; 10 for $5.00

VICTORIA. 2 years. Each, 50c; 3 for $1.00; 10 for $2.50

Top Ranking Gladiolus Varieties

COVER GIRL

CONNECTICUT YANKEE

SPIC AN SPAN

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladioli (100 first size Bulbs) will be sent postpaid for $7.00

10 Elizabeth The Queen, Large Lavender
10 King Lear, Wine Purple
10 Valeria, Red
10 Daisy Mae, Orange
10 Spotlight, Yellow
10 Picardy, Apricot Pink
10 Lipstick, Rose
10 Ethel Cave-Cole, Light Pink
10 Ravel, Blue
10 Florence Nightingale, White

Please allow us to substitute other varieties if we are sold out when your order is received.

BEST OF THE NEW INTRODUCTIONS

25 Bulbs of Any Variety Take the 100 Rate

GL101 ASTRID (Jack). Ex. Distinctive clear medium rose with narrow throat line and slight feather. The color is well liked by florists for cut flowers. Each, 15c; doz., $1.50; 100, $10.00.

GL102 BEAUTY'S BLUSH (Fischer). Ex Soft blush pink, opening seven recurved florets on a long flower spike. Robust grower, and excellent cut flower Each, 15c; doz., $1.50; 100, $10.00.

GL103 BENJAMIN BRITTEN (K&M). Ex. A new, deep toned lavender approaching light purple. The 5-inch florets are well placed on a 6 foot spike. Early and strong grower. Each, 20c; doz., $2.00; 100, $15.00.

GL104 BETTY DUNCAN (Benedict). Ex. Clear orange with golden throat. Does not burn in the sun. Tall plant with up to 7 4½ inch blooms open. Each, 20c; doz., $2.00; 100, $15.00.

GL106 BIRCH RED (Rich). Ex. One of best medium dark reds. Tall and straight with 7 blooms open and as many showing color. Each, 20c; doz., $2.00; 100, $15.00.

GL107 BLUE LAGOON (Snyder). Ex. Medium deep blue, lighter in the throat. Darker than Blue Boy. Opens 4-6 large blooms. Better performer than most blues. Each, 15c; doz., $1.25; 100, $8.00.

GL108 BOISE BELLE (Roberts). Dec. Yellow petals have picotee edging of pink. Opens 9 to 12 4 inch florets on tall spike. Each, 35c; doz., $3.50; 100, $25.00.

GL109 BUCKEYE BRONZE (Wilson). Ex. Outstanding old rose and bronze with distinct orange shading. Opens 6 to 8 florets on strong spike. Two for 25c; doz. $1.25; 100, $8.00.

GL110 BURMA (Palmer). Deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. Fine exhibition variety. Two for 25c; doz., $1.25; 100, $8.00.

GL112 COL. ATKINSON (Williams). Ex. Deep lavender self with towering spike, opening 10 to 12 florets together, blooming in 100 days. Color midway between lavender and purple. Each, 20c; doz., $2.00; 100, $15.00.

GL114 CONCORD (Kuhn). Ex. One of the earliest purples. Large glowing royal purple shading darker in the throat. Opens 6 well placed blooms on a tall slender plant. Very good propagator. Two for 25c; doz., $1.25; 100, $8.00.

GL115 CONNECTICUT YANKEE (Schenetsky). Ex. Huge light pink with rose throat. Opens 8 to 10 florets on medium tall spike. Two for 25c; doz., $1.25; 100, $8.00.

GL116 COVER GIRL (La Salle). Ex. Giant medium pink that opens 10 to 12 large florets at the same time and grows up to six feet tall. Two for 25c; doz., $1.25; 100, $8.00.

GL117 DAISY MAE (Lins). Ex. Orange-pink with a cherry throat blotch. Opens 8 large blooms on 18 bud spike.. Two for 25c; doz., $1.25; 100, $8.00.

GL121 DIEPPE (Hassel). Ex. Dazzling salmon scarlet with deeper blotch. Florets are frilled, and seven open together on a long spike. Two for 25c; doz., $1.25; 100, $8.00.

GL123 EVANGELINE (Palmer). Ex. Light buff pink, with a creamy yellow throat. It opens 8 to 9 huge ruffled blooms on a flowerhead of 20 to 22 buds. Foliage tall and broad and disease resistant. Each, 30c; doz., $3.00; 100, $20.00.

GL124 FLORENCE NIGHTINGALE (Harris). Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Two for 25c; doz., $1.25; 100, $8.00.

GL125 FRIENDSHIP (Fischer). Ex. Bright true pink, blended with cream and white throat. It is a sensational propagator from small bulbs, and one of the first to bloom. Each, 30c; doz., $3.00; 100, $20.00.

GL126 GENE (Farrington.) Dec. A good ruffled medium yellow. 6 to 8 florets open at one time, well placed on a strong straight stem. Each, 20c; doz., $2.00; 100, $15.00.

GL127 GOLD METAL (Beardmore-Krueger). Ex. A giant buff yellow, practically without competition on the show table. Plants reach 5 feet, flowerhead 24 inches, carrying 16 buds and opening 4 to 5. Each, 40c; doz., $4.00; 100, $30.00.

GL131 GOLDEN ARROW (Pruit). Ex. Clear yellow florets without green tinge, are 5½ inches. On a spike of 18 buds, 8 will open together, and 6 show color. Grows five feet tall, straight and strong. Each, 15c; doz., $1.50; 100, $10.00.

GL134 GEN. EISENHOWER (Salman) Ex. Large deep salmon rose from Holland. Opens 7 to 8 large florets on a tall spike. Two for 25c; doz., $1.25; 100, $8.00.

GL135 HARRY HOPKINS (Salman). Ex. Large deep red with slight purplish shading. Opens 6 to 8 well placed blooms on a tall straight stem. One of the best dark reds. Two for 25c; doz., $1.25; 100, $8.00.

GL136 HEART'S DESIRE (Fiedler). Ex. Heavily ruffled light pink shading to white with yellow throat. Heavy white midribs. Strong husky grower. Opens up 6 or more 6½ inch florets on a spike of 18 to 20 buds. Opens well to the tip. Has been a heavy winner at the shows. Each 35c; doz., $3.50; 100, $25.00

GL137 HUNTRESS (Jack). Ex. Very early lavender pink, opening 6 to 8, 4½ inch florets perfectly placed on a stem of medium height. Two for 25c; doz., $1.00; 100, $7.00.

GL141 INTRUDER (Graff). Ex. Giant flame red, with small orange feather on base petals and trace of dubonnet in throat. Of exhibition type but its heavy propagation makes it a good commercial also. A winner at many prominent shows. Each, 30c; doz., $3.00; 100, $20.00.

GL140 LEEUWENHORST (Salman). Ex Tall, with huge flowers of light rose tinted lavender One of the strongest growers and largest flowers. Vigorous grower and good propagator. Two for 25c; doz., $1.25; 100, $8.00.

GL143 LADY BOO (Graff) Ex. Pure shell pink. self-color, delicate and dainty, on strong, straight stems which never come crooked. It opens well in water to the tip bud. A decorative variety of highest quality. Each, 15c; doz., $1.50; 100, $10.00

GL142 LIPSTICK (Balentine). Ex. Vigorous and easy grower, light pink with red blotch, with formal two-row spike maturing in 90 days. Excellent cut flower. 2 for 25c; doz., $1.25; 100, $8.00

GL144 MARIMBA. Ex. Large florets of light buff, sometimes tinged with pink with small feather in throat. Always opens 8 or more well placed blooms on long spike. Two for 20c; doz., $1.00; 100, $7.00.

GL147 MISS WISCONSIN (Kreuger). Ex. A beautiful rose-pink that is outstanding. Opens 6 to 8 five-inch florets on a medium height plant. Two for 25c; doz., $1.25; 100, $8.00.

GL151 OCTOBER SUNSHINE (Quackenbush). Ex. An outstanding cut flower variety, orange with golden yellow throat. Opens 5 to 6 recurved florets on an 18 bud spike with 8 buds showing color Each, 20c; doz., $2.00; 100, $15.00.

GL152 ORANGE GOLD (Marshall). Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Each, 15c; doz , $1.25; 100, $8.00.

GL154 PACTOLUS (K & M). Ex. Apricot cream with orange red blotch, opens 8 to 10 well placed florets. Of medium height but exceedingly showy. Each, 15c; doz., $1.50, 100, $10.00

GL155 PARTHIENA (Hitchcock). Ex A striking deep mauve-lavender. It will open 8 blooms on a 55 inch spike with a long flower head. The 5½inch blooms are perfectly placed and are ruffled and fluted. Each, 15c; doz., $1.50, 100, $10.00

GL156 PATROL (Palmer) Ex. Clear apricot with yellow throat, which opens 10 or more florets with all the remaining showing color Strong grower with long flower head, which stands heat well Each, 20c; doz., $2.00; 100, $15.00.

GL157 PHANTOM BEAUTY (Bastian). Ex. Light pink florets, 5½ inches across, ruffled and open wide, perfectly placed with formal effect. Of 22 buds, 12 will open together and 6 show color Blooms in 80 days, grows five feet tall, propagates well. Two for 25c; doz., $1.25; 100, $8.00.

GL158 RAVEL (K & M). Ex. One of the best new blues Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Each 15c; doz., $1.50; 100, $10.00.

GL161 RED CHERRY (Roberts). Ex. Early brilliant scarlet with darker throat Opens 6 to 7 blooms which often are large enough to be in the 500 class. Form resembles Picardy. Each, 15c; doz., $1.50; 100, $10.00.

GL162 RED WING (Graff). Ex. An exhibition red which opens 10 large blooms with 6 more showing on a head of 22 buds. Opens well when cut tight. Each, 20c; doz., $2.00; 100, $15.00

GL163 REGAL RED (Fischer). Ex. Tall vigorous scarlet red. Six florets open at one time and can be grown up to 7½ inches without overlapping. Late bloomer. Each, 30c; doz., $3.00; 100, $20.00.

GL164 SHERWOOD (Pruitt). Ex. Beautifully ruffled deep purple with darker blotch Tall grower, opens 5 to 6 large blooms. Each, 20c; doz., $2.00; 100, $15 00

GL171 SPIC AN SPAN. (Carlson). Ex. Giant, deep pink ruffled florets, 10 open of its 22 buds together, with all the rest showing color. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Each, 20c; doz., $1.80; 100, $13.00.

GL172 SPOTLIGHT (Palmer). Ex. Clean medium yellow with a small red throat blotch. Spotlight is one of the finest glads grown. Florets are of large size and are perfectly placed. It will open 7 and is a very good keeper. Two for 20c; doz., $1.00; 100, $6.00.

GL174 TIVOLI (K & M). Ex. Clear soft rose. Opens 8 large florets on tall spike. Very fine for cut flowers. Each, 20c; doz., $1.80; 100, $13.00.

GL175 TRAIL'S END (Ficht) Ex. Rare color blend of rose with yellow throat, maturing in 85 days. Each, 20c; doz., $2.00; 100, $15 00.

GL176 VALERIA (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Two for 20c; doz., $1.00; 100, $6.00.

GL177 VELVET MANTLE (Fisher). Ex. Rich maroon with silken sheen not equalled by any glad in this color. Opens 5 to 9, five-inch round florets, well placed on a spirelike spike. Healthy and heat-resistant. Each, 30c; doz., $3.00; 100, $20 00.

GL181 WEDGEWOOD (Fischer). Ex. Waxy ruffled new lavender with cream throat. Opens 4 to 5 medium size florets on medium tall spike. Each, 30c; doz., $3.00; 100, $20.00.

General List

PINK AND ROSE

GL201 CHAMOUNY (Baerman). Ex. Rich, light rose with paler edging; perfectly placed florets on slender spike, eight or more open at same time. Two for 20c; doz., $1.00; 100, $7.00.

GL202 ETHEL CAVE-COLE (Cave). Ex. Pure light pink sometimes flaked. Makes a spike of 9 to 10 large, well placed blooms on a head of 20 to 24 buds. Two for 20c; doz., $1.00, 100, $5.00.

GL204 PICARDY (Palmer). Ex. A most sensational flower of delicate apricot-pink. Two for 25c; doz., $1.00; 100, $7.00.

GL205 ROSA VAN LIMA (Pfitzer). Dec. Pure self-colored light pink. Two for 20c; doz., $1.00; 100, $5.00.

GL206 PINK RADIANCE (Quackenbush). Ex. Pure light pink with silvery sheen, with touch of carmine deep in the throat. Excellent placement. Two for 25c; doz., $1.00; 100, $7.00.

ORANGE

GL117 DAISY MAY (Lins). Ex. Orange-pink with cherry red throat. Opens 8 large blooms on 18 bud spike. Two for 25c; doz., $1.25; 100, $8.00.

GL152 ORANGE GOLD (Marshall). Ex. Clear orange self color. opening six well placed florets on tall spike. Each, 15c; doz., $1 25; 100, $8.00.

KING LEAR

CORONA

HAWKEYE RED

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions we ship bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing.

RED

GL211 BEACON (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Two for 20c; doz., 75c; 100, $5.00.

GL213 HAWKEYE RED (Heaton). A sport of Vagabond Prince, identical save for color. It may be even a bit larger and wider open. Tremendous propagator and easy grower. Two for 25c; doz., $1.25; 100, $8.00.

GL214 RED CHARM (Butt). Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Two for 25c; doz., $1.25; 100, $8.00.

WHITE

GL261 CORONA (Palmer). Dec. Creamy white with wide rose picotee edge on all petals. Very distinctive and beautiful. 6 to 8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Each, 15c, doz., $1.25; 100, $8.00.

GL262 LEADING LADY (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Two for 25c; doz., $1.25; 100, $8.00.

GL263 MARGARET BEATON (Twomey). Ex. New immense white with orange-scarlet blotch. Two for 20c; doz., $1.00; 100, $5.00.

GL265 SNOW PRINCESS (Pfitzer). Ex. Tall white with long flower spike and many open blooms that are always perfectly placed. Mid-season. Two for 20c, doz., 75c; 100, $4 00.

GL266 WHITE GOLD (Scheer). Ex. Clear light cream shading to golden throat. 4 to 6 very large well placed blooms open at one time. Two for 20c; doz., $1.00; 100, $6.00.

To Kill Gladiolus Thrips

We recommend D D.T. for gladiolus thrips. For those who prefer it we can supply Tartar Emetic.

D. D. T. 5% DUST. A ready-mixed garden dust; safe on all plants. 1 lb., 35c, postpaid, 45c; 5 lbs., $1.25, postpaid, $1 50.

TARTAR EMETIC. After plants have reached 6 inches in height, spray weekly with the following formula. ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

Tartar Emetic, postpaid for ¼ lb., 45c; ½ lb., 75c; 1 lb., $1 25.

YELLOW

GL251 GELBER HERALD (YELLOW HERALD) (Pfitzer). Dec. Amber yellow, carmine in the throat. The large wide open flowers are well placed and spaced on a strong stem. Two for 25c; doz., $1 25; 100, $8.00.

GL252 GOLD DUST (Pfitzer). Dec. New deep yellow. Two for 20c, doz., $1.00; 100, $6.00.

GL172 SPOTLIGHT (Palmer) Ex Deep yellow, red throat, most popular yellow today 2 for 20c; doz , $1 00; 100, $6.00

GL254 YELLOW EMPEROR (Ellis). Dec. Clear deep yellow. Two for 20c; doz., $1.00; 100, $6.00.

BLUE AND PURPLE

GL231 ABU HASSAN (Pfitzer). Dec. Clear dark blue medium size bloom on a tall straight spike. Excels Pelegrina both in color and growth. Two for 25c; doz., $1.25; 100, $8.00.

GL232 BLUE BEAUTY (Pfitzer). Ex. Light blue, darker toward the edge. Large wide open flowers. Strong grower. Two for 25c; doz., $1.25; 100, $8 00.

GL233 KING LEAR (Palmer). Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5 to 6 open. Two for 20c; doz., $1.00, 100, $6.00.

GL234 PAUL RUBENS (Salman). Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike Each, 15c; doz., $1.25; 100, $8.00.

GL235 PURPLE SUPREME (Wilson). Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Two for 25c; doz., $1.00; 100, $7.00.

LAVENDER

GL241 ELIZABETH THE QUEEN (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Two for 20c; doz., $1.00; 100, $7.00.

GL242 MINUET (Coleman). Ex. Large light lavender. We recommend it. Two for 20c, doz., $1.00; 100, $7.00.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . $2.50

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 75c, postpaid; by express, not prepaid, 50 for $2.50; 100 for $4 75; 250 for $11 00; 500 for $20.00; per 1,000, $35.00.

Special Gladioli Mixture No. 4 size prepaid. 6 for 25c; 50 for $1.50; 100 for $2 00.

Hardy Lilies for Spring Planting

NO ORDERS ACCEPTED AFTER APRIL 10th, 1953

HARDY lily bulbs, of 1950 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

They are especially suitable for planting in borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 6 to 8 inches deep.

Many varieties develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

Croft Easter Lily. American grown semi-hardy Easter Lily. When planted in the spring this blossoms in August-September, producing large pure white trumpet flowers in a cluster on 4-foot stems. The flowers have heavy petals and are long lasting when cut. 8-inch and up, each 50c; 3 for $1.25.

Lilium Hansoni. The flowers are a deep orange-yellow shade, spotted brown. Three to four feet high, blooming during the latter part of June. Plant in semi-shade. Each, 50c; doz., $5.00; 100, $35.00.

Lilium Henryi. A beautiful lily from China growing four feet to eight feet, and carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. Each, 55c; doz., $5.50.

Lilium Regale. The large, trumpet-shaped flowers are white, with yellow center, while the exterior of the petals is pink. It is a strong grower, three or four feet, of delightful fragrance.

First Size, 6–7 in. in circumference. Each, 20c; doz., $1.75; 100, $13.00.

Select Size, 7–8 in. in circumference. Each, 30c; doz., $3.00; 100, $20.00.

Lilium Speciosum Rubrum. Flowers are white, flushed pink, heavily spotted with carmine. The stem is four feet high and the flowers face downward and roll back their petals. August and early September bloomer. Plant eight to ten inches deep. First Size, 8-9 inch. Each, 35c; doz., $3.50; 100, $25.00. 9-11 inch. Each, 55c; doz., $5.50; 100, $40.00.

Lilium Phillipinense Formosanum. A graceful lily with long trumpet flowers, slightly marked externally with reddish-brown. Plants grow two to three feet, robust and fragrant. Each, 45c; doz., $4.50; 100, $30.00.

CROFT EASTER LILY
Blooms in the garden Aug. Sept.

LILIUM PHILLIPINENSE FORMOSANUM

LILIUM RUBRUM
Largest Pink Lily

LILIUM HENRYI

LILIUM Regale

LILIUM HANSONI

LILIUM CANDIDUM
Shipped Aug.-Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best-known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th

18-20 CENTIMETERS (7-8 inch circumference) Each 30c; dozen, $3.00, 100, $20.00.

20-22 CENTIMETERS (8-9 inch circumference) Each, 35c; dozen, $3.50; 100, $25.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 50c; dozen, $5.00; 100, $35.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 65c; dozen, $6.50; 100, $50.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 75c; dozen, $7.50; 100, $55.00.

28 CENTIMETERS and up (12-inch circumference and up). Each, 90c; dozen, $9.00; 100, $70.00.

LYCORIS
Shipped in July

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., $2.50; 100, $18.00.

Summer Flowering Bulbs

VAUGHAN'S NEW HYBRID AMARYLLIS

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains. 2¼-2½ in. dia., each, 40c; doz., $4.00; 100, $27.00; 2½-2¾ inch dia., each, 50c; doz., $5.00; 100, $35.00; 2¾-3 inch dia., each, 75c; doz., $7.50; 100, $55.00.

RESURRECTION LILY
Shipped in July
(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 90c; doz., $9.00.

STERNBERGIA
Shipped in August

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., $3.00; 100, $20.00.

IRIS FOR EVERY GARDEN
By Sydney B. Mitchell

Irises for 3 to 12 months' bloom; 12 pages of how-to drawnigs and plans, 25 species and varieties in full color. $3.00.

ACHIMENES

This is closely related to the gloxinia. Plant 6 to 7 bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The soil used for potting should be rich in humus and of an open, porous nature, allowing perfect drainage. A good mixture to use is equal parts of loam, leaf mold and sand. About one-third of the depth of the pots or pans should be occupied with drainage. After the young growth appears, great care should be taken to keep the soil moist, for a single severe drying will ruin the plant. Blooming time 8 to 10 weeks after planting. Mixed colors 3 for 60c; doz., $2.00; 100, $15.00.

TUBEROUS BEGONIAS

Tuberous Rooted. Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. Do best in partial shaded spots. All prepaid.

California Grown Double Camellia Flowered

	Each	Doz.	100
1¼–1½ inch	$0 20	$2.00	$15.00
1½–2 inch	.30	3.00	22.50
2 inch	.45	4.50	32.00

Lloydii or Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Each, 30c; doz., $3.00; per 100, $22.00.

Multiflora Hybrids Mixed. In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Three for 75c; doz., $2.75; per 100, $20.00.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for $1.10; doz., $4.00.

HYACINTHUS CANDICANS
(Galtonias) Summer

Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., $1.50, prepaid; selected size, each, 25c; doz., $2.50, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., $3.50, prepaid.

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. Balanced Assortment. Price, 3 for 40c; doz., $1.50; 100, $10.00; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., $2.00; 100, $15.00; prepaid.

TIGRIDIA
(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft

Red, each, 20c; doz., $1.75; 100, $12.00.
Wine-Red, each, 25c; doz., $2.50; 100, $15.00.
Deep-Rose, each, 25c; doz., $2.50; 100, $15.00.
Yellow, each, 30c; doz., $3.00; 100, $18.00.
Mixed. Price, 3 for 55c; doz., $1.75; 100, $12.00; prepaid.

TUBEROSES DOUBLE
(Polianthes Tuberosa)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., $2.00; 25 for $3.75; prepaid. **Second Size**—Price, doz., $1.50; 25 for $2.85; prepaid.

ACHIMENES

DOUBLE BEGONIA

HYACINTHUS CANDICANS

GLOXINIAS

ISMENE CALATHINA

TUBEROSES

MONTBRETIAS

TIGRIDIA

ZEPHYRANTHUS

FAIRY LILY
Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 80c; 25 for $1.50; 100, $5.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., $1.50; 100, $10.00 prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 35c; doz., $3.50; 100, $25.00

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., $3.50; 100, $25.00.

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1½ to 2 inch. Each, 35c; doz., $3.50; per 100, $25.00.

CALLA LILY

STRAIGHT CACTUS

SEMI-CACTUS

FORMAL DECORATIVE

New and Standard—Large Flowering Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Roots** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F.D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurved Cactus.

AGLOW. I.D. 10″. Warm amber, suffused with scarlet in center of each petal. Each, $1.25; 3 for $3.00

ANN TOOKER. I.D. 10″. Pure white with long wavy petals. Each, $2.00; 3 for $5.00

AVALON. F.D. 8″. Clear yellow, fine form. Each, 50c; 3 for $1.25

BALLET ROUGE. I.C. 10″. Rich, glowing red. Very choice. Each, $2.00; 3 for $5.00

BLUE JERSEY. F.D. 8″. Deep Lavender pink. Each, 75c; 3 for $1.75

BLUE RIVER. F.D. 10″. Light lavender with silver sheen. Each, $1.00; 3 for $2.50

CALIFORNIA IDOL. I.D. 10″. Bright yellow, high full centers. Each, 85c; 3 for $2.00

CLARA CARDER. I.D. 12″. Clear cyclamen pink, fine stems. Each, $1.00; 3 for $2.50

CENTURY OF PROGRESS. F.D. 10″. Elk's purple, an extremely rich color. Each, 85c; 3 for $2.00

CHEROKEE BRAVE. I.D. 12″. Oxblood red. Does not burn or fade. Each, $1.25; 3 for $3.00

CHAS. L. MASTICK. F.D. 12″. Bronze with orange shading. Each, 85c; 3 for $2.00

COMMANDO. F.D. 10″. Blue lavender, often taken for a blue dahlia. Each, 75c 3 for $1.75

CONSUL GENERAL QUIST. C. 10″. Ivory blending to delicate shade of pink at center. Delicate pastel. Each, $2.00; 3 for $5.00

CROWN OF GOLD. Show 8″. Bright red with gold tips. Each, 50c; 3 for $1.25

CROYDON GLORY. F.D. 12″. Lemon yellow giant. Each, $1.00; 3 for $2.50

D. DAY. F.D. 8″. Light rose pink. Outstanding. Each, 75c; 3 for $1.75

DEUIL du ROI ALBERT. F.D. 8″. Purple and white bi-color, very early bloomer. Each, $1.00; 3 for $2.50

DIXIE WINE DOT. I.D. 10″. Wavy white petals flecked and dotted deep rose. Winner of many medals. Each, $1.50; 3 for $3.75

EASTERN ECHO. F.D. 8″. Rose and white variegated. Each, 50c; 3 for $1.25

EDGAR GUEST. S.C. 8″. Canary yellow. Early. Each, $1.25; 3 for $3.00

EL RUBIO. I.D. 10″. Shaggy giant, rich ruby red, overlay of purple. Each, $1.00; 3 for $2.50

ENKHART'S PRIMA. C. 10″. Rich apricot with clear yellow center. Unusual. Each, $1.75; 3 for $4.50

FIGARO. S.C. 10″. Golden yellow, flecked and penciled red. Low bush. Each, $1.00; 3 for $2.50

FIVE STAR GENERAL. F.D. 10″. Pink and yellow blend. Highly recommended. Each, $1.50; 3 for $3.75

GALLANT FOX. F.D. 8″. Brilliant red. Always popular. Each, 50c; 3 for $1 25

GEN'L. J. J. PERSHING. S.C. 10″. Coral and jasper red with chrome flush. Strong stems. Each, $1.50; 3 for $3.75

GOLDEN ECLIPSE. F.D. 8″. Golden yellow, good form. Each, 50c; 3 for $1.25

GOLDEN PRINCE. I.D. 8″. Canary yellow blending to peach pink. Each, 75c; 3 for $1.75

Three Giant Dahlias . . . $1

When labels become detached from our named varieties, the Roots cannot be used to fill regular orders. We offer such Roots at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

JAMES KIRBY. I.D. 9″. Dark ruby red. Each, 75c; 3 for $1.75

JANE COWL. I.D. 10″. Bronze, apricot and gold. A must for your dahlia garden. Each, 75c; 3 for $1.75

JERSEY'S BEAUTY. F.D. 8″. Clear pink. Truly beautiful. Each, 50c; 3 for $1.25

JOAN FERENZ. I.D. 11″. Lemon yellow, lightly suffused rose red. Rare. Each, $1.00 3 for $2.50

KENTUCKY SPORTSMAN. I.D. 10″. Golden amber, petals tipped white. Each, $1.00 3 for $2.50

MAFFIE. S.C. 10″. Glowing red wavy petals. Very fine. Each, $1.25; 3 for $3.00

MARSHALL'S PINK. F.D. 8″. Bright pink. Excellent form. Each, 75c; 3 for $1.75

MICHIGAN WHITE. S.C. 7″. Pure white. Fine for cutting. Each, 50c; 3 for $1.25

MID-WEST CHAMPION. I.D. 8″. Brilliant violet rose. Each, 75c; 3 for $1.75

MRS. GEO. LE BOUTILLIER. I.D. 8″. Rich velvety red. Time tried. Each, 50c; 3 for $1.25

MRS. HESTER PAPE. I.D. 10″. Reddish purple. Very showy. Each, $2.00; 3 for $5.00

MRS. I. DE VER WARNER. F.D. 8″. Bright lilac rose. Each, 50c; 3 for $1.25

MRS. WM. KNUDSON. F.D. 10″. Large pure white on long stems. Each, $1.00; 3 for $2.50

MONARCH. I.D. 9″. Bright red. Does not fade. Unusually fine bloomer. Each, $1.00; 3 for $2.50

MOTHER BALLEGO. C. 8″. Rich scarlet. Recently imported from Holland. Each, $2.00; 3 for $5.00

MUSTANG. C. 10″. Soft pink. Prolific bloomer on cane-like stems. Each, $1.00; 3 for $2.50

OAKLEIGH CHAMPION. I.C. 9″. Blend of orange, pink and yellow. A real show in itself. Each, $1.00; 3 for $2.50

OGDEN REID. I.D. 12″. Giant spinal pink blending to rose. Each, $1.00; 3 for $2.50

PURITY. S.C. 8″. New pure white. It is appropriately named "Purity." Each, $1.00; 3 for $2.50

ROSE GLORY. F.D. 8″. Deep rose pink. Profusion of early blooms. Each, 50c; 3 for $1.25

ROSELYN STRAIGHT. S.C. 10″. Deep apricot yellow, shaded and streaked scarlet. Highly recommended. Each, $1.50; 3 for $3.75

ROYAL PENNANT. I.D. 8″. Rich royal purple. Each, $1.00; 3 for $2.50

SHERWOOD PEACH. I.D. 11″. Orange apricot of immense size. Each, $1.00; 3 for $2.50

SCARLET LEADER. C. 9″. Bright red cactus. It talks to you. Each, $1.25; 3 for $3.00

SON OF SATAN. I.C. 9″. Brilliant scarlet. A favorite in constant demand. Each, $1.25; 3 for $3.00

ST. THERESE. Str. C. 5″. Pink blending to white. Small but prolific bloomer. Each, $1.75; 3 for $4.50

TAIYO. I.C. 8″. Striking bicolor of oxblood red and black, tips of pure white. Each, $1.50; 3 for $3.75

VICTORY. F.D. 9″. Very fine pink and gold. Each, 75c; 3 for $1.75

VITALITY. F.D. 8″. Lemon yellow. Blooms face 45 degrees. Each, $1.00; 3 for $2.50

WATCHUNG GIANT. I.D. 12″. Yellow blending to orange. Exceptionally good bloomer. Each, 50c; 3 for $1.25

WHITE KING. F.D. 8″. Pure white. One of the most popular whites. Each, 50c; 3 for $1.25

WHITE WONDER. I.D. 11″. Pure white. Fine form with pointed petals. Each, 75c; 3 for $1.75

WORLD'S EVENT. I.D. 10″. Huge Terian rose with high center. Each, $1.25; 3 for $3.00

MINIATURE DAHLIAS

ANITA. F.D. Pure white. Each, 50c; 3 for $1.25

BISHOP OF LLANDORF. F.D. Bright scarlet, bronze foliage. Each, 50c; 3 for $1.25

BONNIE BLUE. F.D. Royal Purple. Each, 50c; 3 for $1.25

CORINNA. F.D. Canary yellow. Each, 50c; 3 for $1.25

IKE. F.D. Rich red. Each, 50c; 3 for $1.25

LILY BELLE. F.D. Soft pink. Each, 50c; 3 for $1.25

OFFER F. 1 each of above six varieties postpaid $2.45

Money Saving Combination Offers

OFFER A. One tuber each Ann Tooker, Ballet Rouge, Consul General Quist, Enkhart's Prima, Mother Ballego, and Roselyn Straight. Price $7.15 postpaid ($11.25 value).

OFFER B. One tuber each Cherokee Brave, Edgar Guest, Five Star General, General J. J. Pershing, Mrs. Wm. Knudson, and Taiyo. Price $5.25 postpaid ($8.00 value).

OFFER C. One tuber each Deuil du Roi Albert, Mustang, Ogden Reid, Royal Pennant, Scarlet Leader, and Vitality. Price $4.25 postpaid ($6.25 value).

OFFER D. One tuber each Commando, Croydon Glory, D. Day, James Kirby, Jane Cowl, Mid-West Champion, Victory, and White Wonder. Price $4.10 postpaid ($6.25 value).

OFFER E. One tuber each Avalon, Eastern Echo, Gallant Fox, Golden Eclipse, Jersey's Beauty, Mrs. Geo. Le Boutillier, Mrs. I. de Ver Warner, and White King. Price $3.10 postpaid ($4.00 value).

SEE SPECIAL OFFER ON PAGE 3 Eight Champion Dahlias for $4.00 postpaid ($8.00 Value)

POMPON DAHLIAS

AMBER QUEEN. Dark Bronze.
Each, 45c; 3 for $1.15

BETTY ANN. Rose pink. Each, 50c; 3 for $1.25

EDITH MUELLER. Orange, tipped salmon red.
Each, 50c; 3 for $1.25

IRQUOIS LITTLE RED. Bright red.
Each, 50c; 3 for $1.25

JOE FETTE. Pure white. Each, 45c; 3 for $1.15

MORNING MIST. Soft lavender.
Each, 45c; 3 for $1.15

SHERRY. Elk's purple. Each, 50c; 3 for 1.25

YELLOW GEM. Golden yellow.
Each, 45c; 3 for $1.15

OFFER G. 1 each of above eight varieties postpaid; $3.00.

COLLECTIONS OF

Oxygenating and Ornamental Aquatic Plants

1. Collection for small Aquariums, $2.00.

Italian Vallisneria	Corkscrew Vallisneria
Sagattaria Natans	Anacharis
Elodia	Water Sprite

2. Collection for medium sized, $3.00.

Italian Vallisneria	Corkscrew Vallisneria
Sagattaria Natans	Anacharis
Eladia	Water Sprite
Sagattaria Subulatta	Lysmachia
Cabomba	Amazon Sword Plants

3. Collection for Outside Pools, $4.00.

Italian Vallisneria	Corkscrew Vallisneria
Sagattaria Natans	Anacharis
Eladia	Water Sprite
Sagattaria Subulatta	Lysmachia
Cabombo	Amazon Sword Plants
Water Poppy	Water Ferns
Water Hyacinths	Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

CITY OF PORTLAND. 3½ ft. Compact, luxuriant, dwarf, growth. Leaves green. Flowers rosy pink.

HUNGARIA. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

KING HUMBERT. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

THE PRESIDENT. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

YELLOW KING HUMBERT. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; $2.00 per doz., $14.00 per 100.

CHOICE CANNAS

COPPER GIANT. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.

DOROTHY S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

EUREKA. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 90c; $2.50 per doz., $17.00 per 100.

CANNA DOROTHY S.

A vigorous plant that bears large flowers of salman red.

Tropical and Hardy Water Lilies

THREE TROPICAL Water Lilies $5.50

(Catalag Value $7.50)

One each Blue Beauty (Sky blue); Missouri (White night blaamer); Rubra Rasea (Carmine rose).

TWO HARDY Water Lilies $3.50

(Catalog Value $4.50)

One each af Glariasa (Carmine rase) and Chramatella (Canary yellaw). Twa unusual and beautiful varieties seldam affered in callectians.

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

AUGUST KOCH. Medium sized lovely lavender flowers. Free flowering. $2.50

FRANCES GRIFFITH. Outstanding royal purple. Best of its color. $2.75.

MRS. W. R. JAMES. A finer pink than Pershing. Huge flowers. $2.50.

BLUE BEAUTY. Huge sky-blue. Most vigorous. $2.50.

MRS. GEORGE PRING. Star-shaped white flowers, free-blooming. $2.50.

MISSOURI. Huge white flowers open at night. $2.75.

JUNO. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. $2.75.

MRS. GEORGE C. HITCHCOCK. A pure rose pink night bloomer. Free blooming and of unusual size. $2.75.

PINK PEARL. Brightest pink of lovely form. $2.50.

RUBRA ROSEA. Brilliant rosy carmine. $2.25.

POPULAR AQUATIC PLANTS

*Anacharis	3 for $1.00
*Cabamba	3 for $1.00
Corkscrew Vallisnerio	Dazen, $0.90
Flooting Eladia	Each, $0.90
Italian Vallisneria	Dazen, $0.90
*Water Fern	3 for $1.00
*Water Hyacinths	3 for $1.00
*Water Poppy	3 for $1.00

***MINIMUM ORDER THREE**

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

ATTRACTION. Garnet red with ruby shading. Finest red. $3.00.

CHROMATELLA. Pure canary yellow. Very vigorous and free flowering. $2.25.

COMANCHE. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water like tropical water lilies. $2.25.

ESCARBOUCLE. Brightest crimson and scarlet. Very striking. $3.00.

GLORIOSA. Deep carmine rose. Free and vigorous. $2.25.

HERMINE. A star-shaped white of clear, luminous texture. $2.50.

JAMES BRYDON. Rosy crimson, small growth. Good for tubs. $3.00.

PAUL HARIOT. Opens soft, clear yellow, deepens to apricot. $2.25.

PINK OPAL. Although new, so vigorous that the price is low. Deepest pink of great beauty. $2.00.

SIOUX. Largest of the sunset tints. Opens brassy yellow, deepens to blood red. $2.00.

SOMPTUOUSA. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. $2.25.

For prepaird delivery add 10c each to hardy varieties and 25c ta tropicals.

New Hardy Everblooming Hybrid Tea Roses

PEACE

The Most Beautiful Rose in the World ToDay AARS 1946 (Patent 591)

Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each **$2.50**; 3 for **$6.75.**

CHRYSLER IMPERIAL. AARS 1953. (Pat. App. For). A magnificent rose which we believe will head the list of all red roses for many years. Its vivid, irridescent shades of crimson are enhanced by darker overtones of glowing oxblood red, and the gem-like lustre of garnet, yet attain a brilliance unsurpassed in light. Long, tapering buds unfold even in adverse weather to large, high centered flowers measuring 4½ to 5 inches with 40 to 50 petals. Flowers come singly, in constant succession, and keep remarkably well, lasting up to one week when cut; and they have all you could ask for in fragrance. Compact, symmetrical bushes with abundant, semi-glossy foliage right down to the ground. **$3.00**; 3 for **$8.25.**

FRED HOWARD. AARS 1952 (Pat. 1006). Produces quantities of fully double flowers with a high center that are of a rich buff-yellow lightly brushed with burnished gold and pink. Exceptionally strong and hardy, it blooms steadily from early spring to late fall. Flowers have exceptional keeping qualities and pleasing fragrance. A "must" for all rosarians. **$2.50**; 3 for **$6.75.**

HELEN TRAUBEL. AARS 1952 (Pat. 1028). All-American Winner for 1952 of a sparkling apricot-pink that everyone is singing about. It's an ideal rose for cutting with buds which are unusually large, long and tapered, and which open into flowers borne singly at the end of long stems. **$2.75**; 3 for **$7.50.**

SPECIAL OFFER 783A. One each of Chrysler Imperial, Fred Howard and Helen Traubel. (Value $8.25) for **$7.65.** (Postage additional for 4 lb.)

AARS. These are Roses selected by the Rose Council after two-year tests in 19 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

Price of the following four varieties: Each, $2.25; 3 of one kind for $6.25

CAPISTRANO. AARS 1950 (Pat. 922). This is a magnificent rose in every way. The big long, beautifully formed buds open to extremely large, full blooms of a deep, glowing rose-pink which does not fade. Fine cut flower on extra long, heavy canes. Excellent keeping qualities.

FORTY-NINER. AARS 1949 (Pat. 792). See page 1.

MISSION BELLS. AARS 1950 (Pat. 923). One of the freest flowering hybrid tea roses. Its pointed, well shaped buds of beautiful, deep salmon-pink open to richly fragrant, full, high centered blooms of clear shrimp-pink. Vigorous, heavily branched plants, abundantly clothed with disease resistant, coppery green foliage.

SUTTER'S GOLD. AARS 1950 (Pat. 885). Long, pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance.

SPECIAL OFFER NO. 783B. One each of Capistrano, New Yorker, Sleigh Bells, Sutter's Gold, and Tallyho (value $10.50) for **$9.45.** (Postage additional for 6 lb.)

Price of the following seven varieties: Each, $2.00; 3 of one kind for $5.50

CHARLOTTE ARMSTRONG. AARS 1941 (Pat. 455). See page 1.

LOWELL THOMAS. AARS 1944 (Pat. 595). See page 1.

MIRANDY. AARS 1945 (Pat. 632). See page 1.

NOCTURNE. AARS 1948 (Pat. 713). See page 1.

NEW YORKER. (Pat. 823). A brilliant red rose that stays red, clear and sparkling, until the last petals fall. Flowers are fragrant, beautifully formed, and of tremendous size, often 6½ inches across. Blooms continuously.

SLEIGH BELLS. (Pat. 1004). Large ovoid buds, borne singly on exceedingly long stems, are produced in quantity all season. The white flowers are really fragrant and open gradually into blooms of great size, with 40 or more petals, lighted with a trace of primrose at the base.

TALLYHO. AARS 1949. (Pat. 828). Another bicolor of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting when cut. Rich spicy fragrance. It is a vigorous grower, has disease resistant foliage, and constant bloom.

TOP 10 AARS ROSES

As there was no 1951 AARS winner, the National Rose Jury selected the best 10 varieties from the 36 previous winners (1950 winners not included) and named these the top ten: **Charlotte Armstrong, Forty-niner, Katherine T. Marshall, Lowell Thomas, Mirandy, Nocturne, Peace, Rubaiyat, San Fernando** and **Tallyho.**

SPECIAL OFFER 783C. One of each of the Top 10 roses as listed above (value $19.75) for **$17.45.** (Postage additional for 12 lb.)

6 EXTRA FINE ROSES $7.75

Catalog Value $9.00. (Postage additional 6 lbs.)
Price: Each, **$1.50**; 3 of one kind for **$4.25.**

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance.

CONDESA DE SASTAGO. A spectacular rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering.

McGREDY'S IVORY. "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. Moderately fragrant.

McGREDY'S YELLOW. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped; with a mass of golden anthers glorifying the center. Slightly fragrant.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. Very fragrant

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.

Price of the following twelve varieties Each, $1.75; 3 of one kind for $5.00

ANGELS MATEAU. (Pat. 174). Fully double blooms of unusually large size colored orange old-rose. A strong grower with healthy foliage that will give an abundance of bloom throughout the season.

CRIMSON GLORY. (Patent No. 105). We consider this the finest of all red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox blood red and mellowed by a soft velvety nap. Vigorous growth.

ECLIPSE. (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

FRED EDMUNDS. AARS 1944. (Pat 731). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange.

GOLDEN ANNIVERSARY. (Pat. 806). Handsomely formed flowers with a fine old-gold color, flushed apricot at times. These golden blooms on a truly vigorous, well branched plant make it all the more remarkable in a yellow rose.

GOOD NEWS. (Pat. 426). Buds of deep coppery pink open slowly to great 60 petaled blooms with a glowing, coppery center, toning to shell-pink on outer petals. Rich tea fragrance. A vigorous healthy plant almost continuously in bloom.

HEART'S DESIRE. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous grower.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). See Page 1.

RUBAIYAT. AARS 1947 (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Tall, vigorous, luxuriant foliage. Delicious old rose fragrance.

SAN FERNANDO. AARS 1948. (Pat. 785). Large, long pointed buds, borne singly, open to high centered, fully double flowers of brilliant vermilion-scarlet. Its intense and lasting old rose fragrance is something to remember.

SHOW GIRL. (Pat. No. 646). One of the most popular of pink varieties. Rich phlox-pink blooms of good substance, and exhibition form are produced on long, strong stems. Most remarkable is the perfection of the very long-pointed buds and the vigor of the tall plants.

WILL ROGERS. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

Soaking the roots of Roses in a pail of water for 24 nours before planting will help to start them growing more quickly.

POINSETTIA

All Roses listed are dormant. Northern grown 2 yr. No. 1 grade and should be planted early.

We suggest that you order early. Should we be sold out of a variety you order, we will send another variety of the same color, and of equal or greater value, unless requested not to do so.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.).

CHOICE EVERBLOOMING HYBRID TEA ROSES

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Each: $1.50; 3 of one kind for $4.25

COUNTESS VANDAL. Here in one flower are blended all the beguiling tricks known to roses. Full blooms, sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold. excellent for cutting.

DUQUESA DE PENARANDA. This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers. Tall, strong grower.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

JOANNA HILL. Very popular Rose and the best of its color Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

MRS. CHARLES BELL (SHELL-PINK RADIANCE). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

MRS. PIERRE S. DUPONT. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow Low, compact bushes.

NIGGER BOY. Here is a rose that bas everything. Like the Floribundas, it is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory.

PICTURE. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone.

PRESIDENT HERBERT HOOVER. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of eerise-pink and rich cream veined with scarlet Superb buds; large flowers, lasting well; long stems.

RADIANCE. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America

RED RADIANCE. Flowers clear eerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

SNOWBIRD. The long pointed buds open into full double, high eentered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose The rose of many Gold Medals and one of the most popular of all roses for cutting.

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly Remove soil gradually as plants begin growing.

TREE ROSES

"The Crowning Glory of any Garden"

Standard or Tree-shaped Roses are grown by budding the desired variety into a tall straight stalk at a height of 3 ft. The bushy head usually produces more flowers and larger ones than the bush type of the same variety. We offer the following. Charlotte Armstrong, each, $7.00; Crimson Glory, each, $7.00; Peace, each, $7.50.

Everblooming Floribundas

MA PERKINS. (Pat. App. For).

Winner, 1953 All-American Rose Trials

MA PERKINS. (Pat App. For). Winner, 1953 All-American Rose Trials. This remarkable rose will produce hundreds of blooms, in huge cluster and singly, all season long. The lovely coral buds, shaded red in the outer petals, open slowly to 3½ inch blooms of sparkling coral-shell-pink, suffused, with yellow. Rich and unusual sweet fragrance Plants are disease resistant, strong and compact foliage rich green and plentiful. $2.25; 3 for $6.25.

PATENTED FLORIBUNDA ROSES

CRIMSON ROSETTE. (Pat. 901). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is quickly followed by another. $1.75; 3 for $5.00.

GERANIUM RED. (Pat. 811) Well named for color, form and fragrance. The flowers are very double, bright geranium-red in color, and have an unusual strong rose geranium fragrance $1.50; 3 for $4.25.

IRENE OF DENMARK. (Pat. 889). A really fine pure white that starts early and gives continuous and abundant bloom. The buds and half open flowers are of perfect "sweetheart" form and make attractive corsages and butonnieres. Extra hardy; strong bushy grower. $1.50; 3 for $4.25.

PINK BOUNTIFUL. (Pat. 601). Glistening pink flowers, often 3 inch across, put on a wonderful show in the garden all summer. $1.50; 3 for $4.25.

VOGUE. AARS 1952 (Pat. 926). All-America Winner for 1952. A fine floribunda featuring a glowing cherry coral color and flowers of perfect hybrid tea form. Plant is particularly resistant to the common diseases which attack garden roses. $2.25; 3, $6.25.

WORLD'S FAIR. (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. $1.50; 3 for $4.25.

4 FAMOUS PATENTED FLORIBUNDAS

FASHION (Pat. 789). An unusually beautiful Floribunda that brings an entirely new color into the rose world. A sparkling coral-pink, overlaid with gold, which softens to a clear coral and then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely, miniature Hybrid Teas up to 3½ inches across. Old rose fragrance. $2.00; 3 for $5.50.

GOLDILOCKS. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. $1.50; 3 for $4.25.

PINOCCHIO. (Pat 484). Profuse bloomer in immense clusters with delightful flowers of a changeable two-tone pink color. Buds long and pointed, open flowers like miniature hybrid teas. $1.50; 3 for $4.25.

RED PINOCCHIO. (Pat. 812). Prolific producer of 3½ inch flowers of velvety deep red in large, long lasting, unfading clusters. Wild rose fragrance $1.50; 3 for $4.25.

SPECIAL OFFER NO. 793A. One each of the above 4 Famous Floribundas, (value $6 50) for $5.75. (Add postage for 4 lb.)

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding, for foundations or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer.

ELSE POULSEN. Semi-double, lasting bright rose-pink flowers ofmedium size in clusters on bushy, erect growing plants. Very showy. $1 35; 3 for $3.90.

IMPROVED LAFAYETTE. An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening eerise-red. $1.35; 3 for $3.90.

PINK GRUSS AN AACHEN. Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces constant bloom. $1.35; 3 for $3.90.

4 POPULAR FLORIBUNDAS

DAGMAR SPATH (WHITE LAFAYETTE). Large trusses of pure white sometimes tinged pink at edges, semi-double flowers, produced freely all summer. Excellent for cutting. $1.35; 3 for $3.90.

FRENSHAM. An English Gold Metal Winner that is "going to town" in America, and no wonder, for one of its parents is Crimson Glory, highest rated of all red roses. It is the perfect red floribunda with exquisite buds and beautiful color. Robust healthy plants, 3 ft. high and about as wide, loaded all season with large trusses of semi-double flowers. Long lasting when cut and unsurpassed for arrangements. Slightly fragrant. $1.50; 3 for $4.25.

FLORADORA. AARS 1945. Spectacular and profuse blooming variety with well-shaped double flowers in a dazzling geranium or brick-red color. Keeps beautifully when cut Tall grower with shiny, holly-like foliage. $1.50; 3 for $4.25.

ROSE ELFE. Unusually beautiful, silvery rose-pink flowers of gardenia-like form They are very double, about 2½ inches across, and are produced freely all summer. $1.50; 3 for $4.25.

SPECIAL OFFER NO. 793B. One each of the above 4 Popular Floribundas, (value $5.85) for $4.85; (Add postage for 4 lb.)

POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more dwarf Fine for edgings. **Dormant Roses, $1.35; 3 of one kind, $3.75; 10 for $12.00.**

GLORIA MUNDI. Full double flowers of most brilliant orange scarlet. Continuous blooming, giving a rich colorful effect.

MARGO KOSTER. Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

TRIOMPHE ORLEANAIS. Brilliant cherry-red, lasting in color; blooms profusely in trusses; bright green foliage.

MABELLE STEARNS ROSE

(Pat. 297). **Perpetual Flowering Dooryard Rose.** A Rosa Setigera Hybrid that is very hardy The plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peach blossom-pink are produced in panicles from June until frost, and are excellent for cutting. $2.00; 3 for $5.50.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

PIXIE. (Pat. 408). The world's tiniest double white Rose. Each, $1.00; 3 for $2.75.

RED IMP. (Pat. 1032). Very double, deep rich crimson that is startling in its brightness. $1.25; 3 for $3.45.

SWEET FAIRY. (Pat. 748) Dainty, deep pink buds open to very double 1-inch blooms of apple-blossom pink. True rose fragrance. $1.00; 3 for $2.75.

SPECIAL OFFER NO. 793. One each of the above 3 Miniature Roses for $2.90. (Add postage for 2 lb.)

Climbing Roses—Hardy Climbing Vines

Dust or Spray Regularly with "Protexall" (see page 86) and you will have few, if any, rose troubles.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following eight varieties Each, $1.50; 3 of one kind, $4.25

BLAZE. A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June; blooms again in the fall.

BONFIRE. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

CITY OF YORK. Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower; elegant disease free foliage. Very fragrant.

CLIMBING AMERICAN BEAUTY. A free-climber, Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

GOLD RUSH. A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

PRIMROSE. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

THE NEW DAWN. (The Hardy Everblooming Dr. Van Fleet). The first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer.

SPECIAL OFFER NO. 803A: One each of Blaze, Gold Rush and The New Dawn, 3 Roses, (value $4.50) for $4.00. (Shipping wt. 5 lbs.).

NEW PATENTED CLIMBING ROSES

ALOHA. (Pat. 948). Never before an everblooming climber like this. Unlike most climbers, the rose-pink blooms come out in long-stemmed clusters. Aloha with its buds of deep coral-pink is outstanding in its class. $2.50; 3 for $6.75.

CLIMBING CRIMSON GLORY. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. $2.00; 3 for $5.50.

CLIMBING PEACE. (Pat. 932). A climbing sport with blooms identical with those of the bush Peace rose. Hardy here so far, making big beautiful plants, but should have winter protection. $2.50; 3 for $6.75.

DR. J. H. NICOLAS. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double, deeply fragrant blooms like the Hybrids Teas. $2.00; 3 for $5.50.

DOUBLOONS. (Pat. 152). A hybrid of Rosa Setigera, very hardy. Clusters of very large, cup-formed, saffron yellow blooms, opening one after the other, over a long period. Long heavy canes. $2.00; 3 for $5.50.

ORANGE EVERGLOW. (Pat. 505). New hardy everblooming climber featuring beauty, fragrance, and vigor. Color dazzling coppery orange. $2.00.

THOR. (Giant Scarlet Climber). (Pat. 387). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Foliage rich bottle green which does not mildew or blackspot. Very hardy, $2.00.

All prices f. o. b. our nurseries, Western Springs, Ill.
If wanted by Parcel Post, remit postage, allowing 1 lb. per plant for climbing vines, 2 lbs. per plant for climbing roses. See order blank page for postage rates.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 3 yr., $1.00; 3 for $2.70; 10, $8.50.

LARGE-FLOWERING CLEMATIS

HENRYI. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

JACKMANI. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

MME. EDWARD ANDRE. Very beautiful bright velvety red, free-flowering and continuous bloomer.

RAMONA. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 2-year, each, $1.50.

GOLD MEDAL COLLECTION. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for $4.00. (Add postage for 1 lb.)

THREE FINE NEW CLEMATIS

CRIMSON KING. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. $1.85; 3, $5.10.

LORD NEVILLE. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., $1.75; 3, $4.80.

NELLY MOSER. Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. $1.85.

DELUXE COLLECTION. One each of Nelly Moser, Crimson King, and Lord Neville, 2-year for $4.85. (Add postage for 1 lb.)

SWEET AUTUMN CLEMATIS

CLEMATIS PANICULATA. The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small flowered vines. 2 yr., $1.00; 3 for $2.70.

CREEPER (Ampelopsis)

BOSTON IVY (A. TRICUSPIDATA OR VEITCHEI). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, $1.00; 3 for $2.70; 10 for $8.50.

ENGELMAN'S CREEPER (A. ENGELMANI). One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, 85c; 3, $2.25; 10, $7.00.

SILVER LACE VINE

POLYGONUM AUBERTI. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., $1.25; 3 for $3.45.

WISTARIA

CHINESE WISTARIA (WISTARIA SINENSIS). Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., $1.50.

PINK WISTARIA (WISTARIA MULTIJUGA ROSEA). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, $1.50; 3 for $4.20.

WHITE CHINESE WISTARIA (WISTARIA SINENSIS ALBA). Pure white, fragrant, 2 yr. grafted. $1.50.

DUTCHMAN'S PIPE

ARISTOLOCHIA SIPHO. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted $2.25; 3, $6.00.

HONEYSUCKLE (Lonicera)

EVERBLOOMING HONEYSUCKLE (LONICERA HECKROTTI). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., $1.25; 3 for $3.45.

HALL'S HONEYSUCKLE (L. JAPONICA HALLEANA). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 85c; 3 for $1.95; 10, $5.00; 100, $45.00.

CLIMBING HYDRANGEA

HYDRANGEA PETIOLARIS. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, $2.00; 3, $5.55.

HARDY ENGLISH IVY

HEDERA HELIX BALTICA. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2¼ in. pots, 3 for $1.75; 10, $6.00.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. 85c; 3 for $1.95. 10, $5.00.

TRUMPET CREEPER

BIGNONIA RADICANS. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 85c; 3 for $2.25.

BIGNONIA MME. GALEN. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, $1.50.

Vaughan's Irises

IRIS—Berkeley Gold

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

OUTSTANDING VARIETIES

AZURE SKIES. 36 in. Perfectly formed, ruffled azure blue self; flaring falls. 75c; 3 for $2.00.

BLUE RHYTHM. 40 in. Extra large flowers of cornflower-blue with a silvery sheen. Head of its class in the mid-blues. Dykes Medal 1950. $1.75.

CITY OF LINCOLN, 40 in. A magnificent bicolor. S. dome-shaped, clear vivid yellow; F. flaring, rich velvety red. 50c; 3 for $1.25.

HELEN MCGREGOR. 36 in. Dykes Medal 1949. Beautifully ruffled, clear light blue with no trace of lavender in it. Large flowers of heavy substance. $3.00.

LADY MOHR. 36 in. An exotic combination of huge oyster-white standards with strong mid-rihs; falls of frosted chartreuse with prominent veinings. $1.00; 3 for $2.50.

INDIAN HILLS. 37 in. A stunning iris of clear rich wine-purple. Its large, fragrant flowers are very showy 50c; 3 for $1.25.

LOS ANGELES. 40 in. Giant snowy-white, the standards faintly edged blue. 50c; 3 for $1.25.

MULBERRY ROSE. 40 in. Large flowers of radiant, lovely, mulberry rose. Unusual shade. $1.00.

RANGER. 36 in. Very dark, true crimson red. Long large blooms of firm texture. A sure producer of flowers and lots of them $1.50; 3 for $4.00.

SNOW FLURRY. 40 in. Beautifully ruffled flowers of pure icy white, very faintly flushed with blue. Very showy, flowers covering the stems. $1.00.

SPUN GOLD. 38 in. A gorgeous deep golden yellow self with a velvety lustre that adds to its beauty. Dykes Medal 1944 $1.00; 3 for $2.50.

SABLE. 40 in. An almost perfectly black Iris with a lustrous, silky sheen. $1.00; 3 for $2.50.

5 IRIS CHAMPIONS FOR $3.75

BLUE SHIMMER. 38 in. Large flowers of beautiful sparkling white, dotted and peppered all over with clear blue. $1.00; 3 for $2.50.

ELMOHR. 36 in. Huge reddish-mulberry with a pinkish glow. $1.00; 3 for $2.50.

OLA-KALA. 36 in. Beautiful rich, deep yellow ruffled flowers with flaring falls. Intensely brilliant, almost orange $1.00; 3 for $2.50.

PRAIRIE SUNSET. A gorgeous blend of peach, apricot, rose, copper and gold. $1.00; 3 for $2.50.

THE RED DOUGLAS. 40 in. Vibrant red-purple of colossal size, gorgeously rich in color. Grows and blooms well everywhere. 75c; 3 for $2.00.

The 5 Iris Champions as listed above, (value $4.75) for $3.75 postpaid.

Ask for our "Complete List of Iris", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

Eight Iris Aristocrats $3.45

Catalogue Value $5.50 (Postpaid in U. S. A.)

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

BERKELEY GOLD. 38 in. This top ranking yellow Iris should sell for more. It is a large deep clear yellow self of fine form and heavy texture. Stands rain, hot weather and does not fade 75c; 3 for $2.00.

CHINA MAID. 48 in. Words are inadequate to describe this intriguing blend of pink, golden copper and soft lilac Besides having a beautiful color, it has large size, fine form and a smooth texture 75c; 3 for $2.00.

COPPER LUSTRE. 36 in. Dykes Medal 1938. Considered "the Iris of the Century" Its flowers are of huge size and its color a blend of glowing copper and gold with iridescent sheen. Nothing quite like it. 50c; 3 for $1.25.

ELSA SASS. 36 in. Exquisite, slightly ruffled flowers of a most unusual shade of cool lemon yellow, with a greenish cast in its depths and a near white blaze near the haft. each 50c; 3 for $1.25.

GARDEN FLAME. 34 in. A large, richly colored Iris of deep rose-mahogany with very broad petals Ranks with the top among red Irises. Late $1.00; 3 for $2.50.

GRAND CANYON. 38 in. Delicately ruffled flowers of a rich and colorful blend of plum, copper and gold, like the colors in the Grand Canyon. 75c; 3 for $2.00.

GREAT LAKES. 42 in. An exquisite pure blue; the shade of an unclouded sky reflected in crystal waters. It is almost perfection; having crisp petal texture, widely branched, strong stems, and ideally formed blooms with widely flaring falls. Dykes Medal 1942 75c; 3 for $2.00.

WABASH. 39 in. S. snowy white; F. deep hyacinth violet with a definite white edge. Has wonderful substance and orchid-like beauty. Voted by the Iris experts in 1940, 1941 and again in 1942 as the best Iris in commerce at that time. 50c; 3 for $1.25.

IRIS KAEMPFERI

~~Price, each 75c; 3 of one kind for $2.00.~~

BLUE BIRD. Beautifully formed double flowers of rich uniform blue.

GOLD BOUND. Double white with gold-banded center. Earliest to bloom.

MAHOGANY. Large double flowers of velvety mahogany-red. Late.

PURPLE AND GOLD. An enormous double of rich violet-purple with gold center

SPECIAL OFFER NO. 813A. One each of above 4 named Kaempferi Irises (value $3.00) for $2.75.

Peonies

Peonies may be planted in Spring with good results, but they should be put in early. We suggest that you send in your orders as early as possible. Planting directions are sent with each shipment

ROOTS BY PARCEL POST.—Add postage as follows: Single roots, 2 lb; two roots, 3 lb.; 3 roots, 4 lb.; 4 roots, 5 lb

BARONESS SCHROEDER. (9.0) Immense flesh white, often tinted pink, changing to creamy white. Excellent cut flower; fragrant; late. $1.50.

GOLD MINE. (8.2) (Japanese Peony). Cup-shaped flowers of dark rose-pink with deep golden center. Profuse bloomer. $1.00.

HANSINA BRAND. (9.1) A flower of beautiful form and really giant size. Color deep flesh pink, shading darker at the base of the petals with a salmon reflex. Late. $3.00.

LONGFELLOW. (9.0) Perhaps the most brilliant of all the red peonies, as striking in the garden as in the showroom. It blooms in early midseason, has excellent foliage and strong, stiff stems. $1.50.

REINE HORTENSE (PRESIDENT TAFT). (8.7) One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more Its large flowers are a beautiful uniform light pink, center flecked crimson Midseason. $1.00.

SARAH BERNHARDT. (9.0) A prolific bloomer of beautiful dark rose-pink flowers on tall stems. An extra fine cut flower and show variety. $1.25.

3 EXTRA FINE PEONIES $2.25

CATALOGUE VALUE $3.00

(Additional Postage 4 lbs)

EDULIS SUPERBA. (7.6) Usually blooms for Decoration Day The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems One of the most fragrant of all Peonies and one of the best for early cut flowers $1.00.

FELIX CROUSSE. (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late midseason $1.00.

MME. DE VERNEVILLE. (7.9) Very full and double, pure white, center tinted blush Exquisite rose fragrance. Very beautiful reliable bloomer; early. $1.00.

Unnamed Peonies to Color

DOUBLE PINK—DOUBLE WHITE. Ea. 75c; 3 for $2.00.
DOUBLE RED. Each 90c; 3 for $2.25.

3 of the WORLD'S BEST PEONIES $7.50

CATALOGUE VALUE $9.00

(Additional Postage for 4 lbs.)

MRS. F. D. ROOSEVELT, (9.3) This is a strong grower and a dependable, free bloomer. Flowers double with extra long loose petals of soft rose-pink. A wonderful variety, considered by many "The world's most beautiful Peony." $4.00.

MYRTLE GENTRY. (9.1) Immense flowers of perfect rose form and wonderful substance on stiff stems, Color beautiful light pink, changing to rosy white. with tints of flesh and salmon. Tea rose fragrance. Late midseason. Often called "the perfect peony" for it has no faults.

PHILIPPE RIVOIRE. (9.2) Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late It is distinctly different and is the most beautiful and highest rated of all red Peonies. $2.50.

4 CHAMPION PEONIES $3.25

CATALOGUE VALUE $4.50

(Additional Postage for 5 lbs.

FESTIVA MAXIMA. (9.3) An old variety which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished" Flowers white dotted carmine, are often 7 to 8 inches in diameter. Very fragrant. Early. $1.00.

GROVER CLEVELAND. (8.2) Large, compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable, late midseason reds. $1.00.

KARL ROSEFIELD. (8.8) Huge ball-like flower of rich velvety-crimson. Very brilliant and striking. We consider it the best all-around red Peony. Early midseason. $1.00.

MONS. JULES ELIE. (9.2) By many considered most beautiful of all Peonies. The flowers are an immense ball of imbricated petals incurved like a chrysanthemum; the color a glistening lilac-pink shading to deeper rose at the base, all overlaid with a sheen of silver. Comes into bloom early and is one of our finest varieties for cutting. Very fragrant. $1.50.

Flowering Trees and Shrubs

BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

DOUBLE PINK FLOWERING ALMOND (PRUNUS GLANDULOSA SINENSIS). *4 to 6 ft.* These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double pink, rose-like flowers that are closely set along the branches. *2 to 3 ft.*, $1.50; 3 for $4.20.

BARBERRY (Berberis)

GREEN LEAVED BARBERRY (B. THUNBERGI). *4 ft.* Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 85c; 3, $2.25; 10, $7.00; 100, $60.00.

MENTOR BARBERRY (B. MENTORENSIS). *3 ft.* (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 15 to 18 in., $1.15; 3, $3.00; 10, $9.50; 100, $65.00.

RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA). *4 ft.* The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., $1.00; 3, $2.85; 10, $9.00; 24 to 30 in., $1.30; 3, $360.; 10, $11.50.

BEAUTYBUSH (Kolkwitzia Amabilis).

6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., $1.50; 3 for $4.20; 3 to 4 ft., $2.00; 3 for $5.50.

BIRCH (Betula)

EUROPEAN WHITE BIRCH (B. ALBA). *30-40 ft.* Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., $5.50; 3 for $15.45; 6 to 8 ft. clumps, $8.50.

CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS). *30-40 ft.* An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 7 to 9 ft., $8.50; 3 for $24.45.

BRIDALWREATH (Spiraea)

S. VAN HOUTTE. *5 to 6 ft.* One of the most beautiful and useful shrubs. 2 to 3 ft.,$1.00; 3 for $2.70;10 for $8.50; 3 to 4 ft., $1.25; 3 for $3.30; 10 for $10.50.

DWARF BURNING BUSH

EUONYMUS ALATUS COMPACTA. *4 to 6 ft.* Bark cork-like and curiously winged; leaves small; fruit red, in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., $2.50; 3 for $6.75.

BUSH CHERRY (Prunus Besseyi)

HANSEN'S IMPROVED. *4 to 5 ft.* Hardy cherry with edible fruit resembling a small plum, massed in clusters from the ground up; fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., $1.00; 3 for $2.70; 10 for $8.50.

FOUR NEW BUDDLEIAS (BUTTERFLY BUSHES OR SUMMER LILACS) $3.25

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

DUBONNET. *4 ft.* The color, matches that of the French Dubonnet wine, glowing red in the sun.

FASCINATING. 4 ft. A glorious variety, bearing elegant, extra long sprays of orchid-pink blooms.

ORCHID BEAUTY. *3 to 4 ft.* Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

ROYAL PURPLE. 3 to 4 ft. Very shapely, extra long, full spikes of brilliant, glowing red-purple color.

Prices of above, field grown, each, $1.00; 3 for $2.85.

COTONEASTER ACUTIFOLIA

PEKING COTONEASTER. *5 to 10 ft.* Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 2 to 3 ft., $1.10; 3, $3.00; 10, $9.50.

FLOWERING CRAB (Malus)

BECHTEL'S DOUBLE FLOWERING CRAB. *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., $3.00; 3 for $8.25; 4 to 5 ft., $4.50; 3 for $12.75.

ELEY CRAB (M. ELEYI). *10 to 15 ft.* Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., $3.50; 3 for $9.75.

ROSE FLOWERING CRAB (M. HOPA). *15 to 20 ft.* Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., $3.50.

DOGWOOD (Cornus)

PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA). *15 ft.* A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft. B & B, $7.50; 3 for $21.45

WHITE FLOWERING DOGWOOD (C. FLORIDA). Similar to above, but flowers are white. 2 to 3 ft., B&B $6.50; 3 for $18.45.

REDTWIG DOGWOOD (C. ALBA SIBIRICA). *6 to 10 ft.* Bright coral-red branches. 3 to 4 ft., $1.25; 3 for $3.30; 4 to 5 ft., $1.50; 3 for $4.05.

GOLDENTWIG DOGWOOD (C. STOL. FLAVIRAMEA). *6 to 10 ft.* Attractive golden yellow bark. 3 to 4 ft., $1.25; 3 for $3.30.

CHINESE ELM HEDGING

ULMUS PUMILA. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, $2.00; 50, $7.50; 100, $13.50.

FIREBUSH OR FLOWERING QUINCE

CYDONIA JAPONICA. *4 to 5 ft.* Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., $1.10; 3 for $3.00.

GOLDEN BELL (Forsythia)

SHOWY BORDER GOLDEN BELL (INT. SPECT). *6 to 8 ft.* Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., $1.25; 3 for $3.45; 10 for $11.00.

SPRING GLORY. *5 to 8 ft.* The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring 2 to 3 ft., $1.50; 3, $4.20.

HAWTHORN (Crataegus)

PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS). *12 to 15 ft.* Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., $5.00.

HYDRANGEA

BLUE HYDRANGEA. *2 ft* Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., $2.00; 3, $5.55.

PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA). *8 to 10 ft.* Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 2 to 3 ft., $1.50; 3, $4.05; 10, $13.00.

SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA). *4 ft.* Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., $1.25; 3 for $3.30; 10, $10.50.

VAUGHAN'S NURSERY PRICE LIST

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

HONEYSUCKLE (Lonicera)

PINK BUSH HONEYSUCKLE. *9 to 10 ft.* One of our best shrubs for screen and border plantings. 2 to 3 ft., $1.00; 3 for $2.85; 10 for $9.00.

ZABEL RED H. (L. KOROLKOWI ZABELI). *10 ft.* A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 3 to 4 ft., $1.25; 3 for $3.45; 10 for $11.00.

KERRIA

JAP. PLENIFLORA. (Double Kerria). *4 to 5 ft.* Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 2 to 3 ft., $1.50; 3, $4.20.

LILAC SPECIES

COMMON PURPLE LILAC (SYRINGA VULG. PURPUREA). *12 to 15 ft.* The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 18 to 24 in., $1.00; 3, $2.70; 10, $8.50; 2 to 3 ft., $1.15; 3, $3.15; 10, $10.00;

PERSIAN PURPLE (SYRINGA PERSICA). *8 to 10 ft.* The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 3 to 4 ft., $1.50; 3, for $4.05; 10 for $13.00.

FRENCH HYBRID LILACS FOUR BEAUTIFUL VARIETIES

BELLE DE NANCY. Large double satiny rose; white center. Free blooming; fragrant.

CHARLES JOLY. Double flowers of dark, wine-red with silvery reverse. One of our very finest Lilacs. 18 to 24 in., $1.75; 3 for $4.80; 2 to 3 ft., $2.50.

MME. LEMOINE. Double pure white flowers, borne in large clusters. One of the best.

PRES. GREVY. Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of clear, soft, blue.

Prices of above, except where noted: 18 to 24 in., $1.50; 3 for $4.20; 2 to 3 ft., $2.25; 3 for $6.00.

SPECIAL OFFER NO. 823. One each of above 4 Lilacs, 18 to 24 in. (value $6.25) for $4.95; 2 to 3 ft. (value $9.25) for $6.95.

MAGNOLIA

SAUCER MAGNOLIA (M. SOULANGEANA) *20 ft* Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of effectiveness. 2 to 3 ft., B. & B., $10.50; 3 to 4 ft., B. & B., $12.50.

MORAINE LOCUST (Patent No. 836).

80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wooded. We highly recommend it 5 to 6 ft., $6.00; 6 to 7 ft., $8.00.

MORAINE LOCUST

for the Home Landscape

CRIMSON KING MAPLE

ACER PLAT. SCHWEDLERI NIGRA. (Pat. No. 735). 40 to 60 ft. This magnificent Crimson Maple is the King of ornamental trees and it has created a sensation wherever grown. It is a perfected form of the Schwedler Maple, having foliage of deep maroon-purple all through the summer months. The tips of the branches and new foliage are a lighter shade and glisten beautifully in the sun, giving the impression of a tree in bloom. As this tree is a sell-out each season, no large sizes are available, but planted now, the trees will start branching the first summer and increase in beauty each year. Very hardy and easy to grow. 6 to 7 ft., **$7.50.**

MAIDENHAIR TREE

GINKGO BILOBA. *50 to 60 ft.* Highly ornamental tree of slender upright growth but with peculiar spreading branches. The leaves are fan-shaped, of deep green color, turning golden yellow in fall. Especially valuable in that it is immune to ordinary attacks of insects and withstands so well the unnatural conditions of our cities. 6 to 8 ft., 1⅛ to 1 in. caliper, **$8.00**; 8 to 10 ft., 1 to 1¼ in. caliper, **$9.00.**

MOCK ORANGE (Philadelphus)

COMMON MOCK ORANGE. *7 to 10 ft.* The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush, 3 to 4 ft., **$1.25**; 3 for **$3.30**; 10 for **$10.50.**

MINNESOTA SNOWFLAKE. (Pat. No. 538). *8 ft.* This lovely mockorange produces a profusion of pure snow-white flowers that are extremely double and intensely fragrant. It is very hardy, vigorous, bushy, has good foliage and is excellent for specimen plantings. 2 to 3 ft., **$1.50**; 3 for **$4.20.**

VIRGINALIS. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. 2 to 3 ft., **$1.50**; 3, **$4.20**; 3 to 4 ft., **$1.75**; 3, **$4.80**; 10 for **$15.50.**

EUROPEAN MOUNTAIN ASH

SORBUS AUCUPARIA. *25 to 30 ft.* A handsome tree with compound leaves of dark green; golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 6 to 8 ft., **$6.00**; 3 for **$17.25.**

DWARF NINEBARK

PHYSOCARPUS OPULIFOLIUS NANA. *5 ft.* One of our finest low-growing hedge plants. Dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., **$1.00**; 3, **$2.85**; 3 to 4 ft., **$1.25**; 3, **$3.45**; 10, **$11.00.**

PRIVET HEDGE (Ligustrum)

AMUR PRIVET (L. AMURENSE). *12 ft.* One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, **$4.00**; 100, **$35.00**; 2 to 3 ft., 10, **$5.00**; 100, **$45.00.**

CRIMSON KING MAPLE

POTENTILLA GOLD DROP

2 to 2½ ft. A really choice small compact shrub for planting in sunny locations. Plants are densely covered with small fernlike leaves and bright golden yellow, buttercup like flowers from early June to October. Very hardy. 18 to 24 in. **$2.00.**

PLUM (Prunus)

THUNDERCLOUD PURPLE-LEAF PLUM. *12 to 15 ft.* A small tree shrub. The leaves when young, are lustrous crimson, changing to a dark purple and they retain this beautiful tint until they drop, late in autumn. 4 to 5 ft., **$3.75**; 3 for **$10.50.**

ROSE OF SHARON

HIBISCUS SYRIACUS OR SHRUBALTHEA. *6 to 12 ft.* An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. **Double pink, purple, white or red.** 3 to 4 ft., **$1.50**; 3, **$4.20.**

ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red herries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings, 12 to 15 in., ¼ in. caliper at crown, 50 for **$7.00**; 100 for **$12.00**; 500 for **$50.00.**

HYBRID RUGOSA ROSES

HANSA. *5 to 6 ft.* Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, **$1.40**; 3, **$3.90.**

F. J. GROOTENDORST. *5 to 6 ft.* The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, **$1.50**; 3, **$4.20.**

PINK GROOTENDORST. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2 year, **$1.50.**

GOLDEN ROSE OF CHINA

ROSA HUGONIS. *6 ft.* Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., **$1.50**; 3, **$4.20.**

SNOWGARLAND

SPIRAEA ARGUTA MULTIFLORA. *4 to 5 ft.* Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 2 to 3 ft., **$1.25**; 3 for **$3.45.**

SNOWBALL (Viburnum)

GARDENIA-SCENTED SNOWBALL (V. BURKWOODI). *5 ft.* This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in., **$3.50.**

OLD-FASHIONED SNOWBALL (V. OPULUS STERILE). *8 to 10 ft.* Large balls of white flowers in May. 18 to 24 in., **$1.15**; 3 for **$3.15**; 2 to 3 ft., **$1.35**; 3 for **$3.75.**

EVERBLOOMING SPIRAEA

S. FROEBELI. *3 ft.* Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., **$1.00**; 3, **$2.85**; 10, **$9.00**; 24 to 30 in., **$1.25**; 3 for **$3.30**; 10 for **$10.50.**

WEIGELA (Diervilla)

BRISTOL RUBY. (Patent No. 492) *6 ft.* Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower, forming a nice, compact bush. 2 to 3 ft., **$1.75**; 3 for **$4.75.**

WILLOW (Salix)

NIOBE WEEPING WILLOW (S. NIOBE). *30 to 40 ft.* Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., **$3.00**; 3, **$8.25.**

WINTERCREEPER (Euonymus)

BIGLEAF WINTERCREEPER (EUONYMUS RADICANS VEGETUS). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 2½ in. pots, **90c**; 3, **$2.50**; 10, **$8.50**; 3 in. pots, **$1.50**; 3, **$4.00.**

PURPLELEAF WINTERCREEPER (E. RADICANS COLORATA). Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. 2½ in. pots, **65c**; 3, **$1.65**; 10 for **$5.00.**

HYBRID BLUEBERRIES

HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS. *3 to 5 ft.* Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 3-year clumps, 3 for **$4.80**; 6 for **$9.00.**

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

DWARF APPLES. Delicious, McIntosh or Yellow Delicious, 2 yr., 3 to 4 ft., **$3.50**; 3 for **$9.75.**

DWARF PEARS. Bartlett, 2 yr., 3 to 4 ft., **$3.50**; 3 for **$9.75.**

QUINTUPLET APPLE TREE
5 Kinds of Apples on One Tree

This is the ideal tree for the small yard, 5 different varieties of apples are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year trees, 4 to 5 ft., 1⅛ in. caliper **$3.95 each**; 3 for **$11.25.**

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted bymail, add postage, approximate weight 10 plants, 5 lbs.; 25 plants, 10 lbs.; 50 plants, 20 lbs.

BOYSENBERRY

(THORNLESS). Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price 3 for **$1.25**; 10 for **$2.75**; 25 for **$6.25.**

RASPBERRIES

Price, except where noted, 3 for **$1.00**; 10 for **$2.25**; 25 for **$4.75**; 50 for **$8.00.**

CUMBERLAND (BLACK). Extra large, oval, rich and juicy. Good quality; very productive.

INDIAN SUMMER. The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for **$1.25**; 10 for **$2.50**; 25 for **$5.00.**

LATHAM (RED). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES

Price, 2 yr. No. 1 each, **75c**; 3 of one kind for **$1.75**; 10 for **$5.00**

CACO (RED). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

CONCORD (BLACK). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender.

FREDONIA (BLACK). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

PORTLAND (WHITE). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SPECIAL OFFER NO. 832D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value **$3.00**) for **$1.95.** (Postage additional for 3 lb.).

Plant Food and Soil Conditioners

BALANCED ROSE RATION. 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants.
5 lb. bag, 95c; 10 lbs., $1.45
25 lbs., $3.25; 100 lbs., $9.75

HIGH ANALYSIS MINERALIZED LOMA. 8-8-8. For lawns, flowers and vegetables. This scientifically balanced, up-to-date plant food supplies 15 essential minerals, not merely as traces, but in sufficient quantities to enable plants to derive full benefits from the abundant Nitrogen, Phosphoric Acid and Potash in the mixture. It makes plants more vigorous and more resistant to insects and diseases. They mature earlier, flowers hold blooms longer, vegetables are larger and better flavored. Will make greener, thicker turf.
Price per 25 lb. bag, $2.75; 100 lbs., $8.00

LOMA. Analysis 5-10-5. Beautifies lawns and gardens; a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., $1.85; 50 lbs., $3.20; 100 lbs., $4.95; Add postage on 5 and 10 lb. pkgs.

MURIATE OF POTASH. Should be used liberally, especially for all root crops. 25 lbs., $2.25; 50 lbs., $3.60; 100 lbs., $6.25.

INSTANT VIGORO. 19-28-14. A completely water soluble plant food made by Swift & Co. containing all the food elements needed by growing plants which is 100% soluble. It can be applied in liquid form to feed plants through both leaves and roots. Recommended for all plant feeding from lawns, shrubs and gardens to house plants. 8 oz. can, 80c; prepaid, 90c; 16 oz. can, $1.25; prepaid, $1.40; 3 lb. can, $3.00; prepaid, $3.25; 25 lb. drum, $13.35; not prepaid.

J. M. T. C.
ORG·A·NUR
ALL-ORGANIC-MANURE

Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb., bag, $2.95; 5 bags for $12.50; 10 bags for $24.00.

S-430 HYPONEX PLANT FOOD. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c, postpaid 35c; 1 lb., $1.00, postpaid $1.15; 10 lbs., $8.00; 25 lbs., $15.00; 50 lbs., $25.00; 100 lbs., $40.00

S-429 HY-GRO. Analysis: 13-26-13. The soluble plant food and starter solution.
3 oz., 40c; postpaid, 45c; 1 lb., $1.00; postpaid, $1.15; 10 lbs., $6.50; 25 lbs., $11.00; 100 lbs., $32.00

KAPCO. All soluble fertilizer 15-30-15, for liquid feeding with added minor elements.
Price, 25 lbs., $7.50; 80 lbs., $20.00

ALUMINUM SULPHATE. For creating acid condition in the soil. 1 lb., 25c; 5 lbs., 65c; 10 lbs., $1.10; 25 lbs., $2.25; 100 lbs., $5.50

ESMINEL. Can be used to mineralize your garden. Can also be added to fertilizers used for truck crops, lawns, shrubs, trees, etc. This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc.
Price, 5 lb. pkg., $1.50, postpaid; 100 lb., $13.50

S-451 FULTON'S PLANTABBS. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; postpaid. Large size approximately 1,000 tablets, $3.50.

S-425 FLORALIFE. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c; three pkts. for 25c. Home size tin makes 30 qts., each, $1.00; 100 qt. size, each, $3.00; gift pkg., $1.00.

LIME PHOSPHATE, RUHM'S Nature's source of phosphorus. The most phosphate at lowest unit cost.
80 lbs., $3.25; 480 lbs., $10.80;
960 lbs., $20.50; 2,000 lbs., $34.50

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

LONG-LASTING PLANT FOOD RICH IN ORGANICS

GROGANIC. Research has proved that plants respond to food elements which are found in both mineral and organic forms. Those derived from minerals are effective quickly, and in soil temperatures too low for bacterial activity. Organics become available to plants more slowly, and require warm soil and bacteria to release their food content completely.

By combining mineral and organic elements, long-lasting nutriment can be provided. Groganic contains no filler whatever. Bulk is provided by dried blood, fish scrap, castor pomace and vegetable meal, all relatively expensive, which break down slowly. Boron is added to correct acidity and manganese sulphate to prevent chlorosis (yellowing) in leaves. Chemical nitrogen, phosphorus and potash are added—all quick acting and stimulating growth in early spring.

The analysis of Groganic is 6-11-6, 6% nitrogen, 11% phosphorus, 6% potash. An application of 15 lbs. per 1,000 square feet will provide continuous feeding effective in 10 days and lasting 300 days. 5 lbs., 85c; postpaid, $1.10; 10 lbs., $1.35; postpaid, $1.85; 25 lbs., $2.85; 80 lbs., $6.75. Prepaid prices apply within 300 miles.

If the kind of plant food which you prefer is not listed, ask us for o price in quantities of 100 lbs. or more, F.O.B. Chicago, Ill.

S-1801 PEAT, ORCHID. Very useful for orchids and azaleas. $5.35 per sack of about two bushels.

S-454 RA-PID-GRO. All-Soluble Plant Food. Analysis 23-21-17. For African violets, house plants, flower gardens, vegetable gardens and everything that grows. All soluble. Complete instructions on each package. 2 oz. 35c, postpaid; 8 oz. 65c, postpaid; 1 lb. $1.25; 2 lbs. $2.35; 5 lbs. $4.50; 10 lbs. $8.75; 25 lbs. $21.00 and 50 lbs. $42.00. Add postage to sizes where we do not specify postpaid.

RHODO-AZALEA FOOD. 3-20-3. 5 lb. package, each, 95c; 10 lbs., $1.45, postage extra.

SULPHATE OF AMMONIA. Price, 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.75; 50 lbs., $3.75; 100 lbs., $5.95. Add postage on 5 and 10 lb. Pkgs.

VAUGHAN'S PEAT MOSS

IMPORTED HORTICULTURAL GRANULATED

S-1803 A moisture-retaining humus. An important aid to soil fertility, prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., $2.95; half of large bale, approximately 50 lbs., $4.25; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, $6.25.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent, total phosphoric acid, 22 percent.
5 lbs., 85c, postpaid, $1.10; 10 lbs., $1.45, postpaid $1.85; 25 lbs., 2.95; 100 lbs., $8.25; 500 lbs., $30.00

S-401 ACTIVO (Formerly Bacto). Make your own fertilizer easy, in as little as three weeks. Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets reduces odors, makes easily handled ash of waste. No. 2 size, $1.00, postpaid $1.20; treats 450 lbs. compost; No. 7 size $2.50, postpaid $2.95; treats up to 1800 lbs.; No. 20 size $5.95; treats up to 2 tons compost. No. 50 size drum, $11.95; treats 6 tons compost. 100 lb., size $19.95.

S-402 ADCO ARTIFICIAL STABLE MANURE. To make it yourself, to each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco. This makes four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 5 lb. bag, $1.65; 20 lbs., $3.85; 150 lbs., $19.95; Write for booklet.

S-228 KRILIUM. Soil Conditioner. Conditions soil in the garden, for new lawns, for shrubs or planting boxes. 5 lbs. will treat about 100 sq. ft. 3 inches deep, or 600 ft. ½ inch deep. The price of 1 lb. $1.69, postpaid $1.85; 5 lbs. $6.95, postpaid $7.35.

KRILIUM (Loamaker). Highly concentrated 100% active. Treats five times as much area as regular KRILIUM. 10 lb. canister $34.50, 25 lb. fiberpak drum, $84.50, 50 lb. fiberpak drum, $166.25.

SALEM FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, rubber tires, foot rest and selective feed control. **S-517** 16 inch hopper capacity about 20 lbs., price each, $8.35; **S-518** 20 in. hopper capacity about 40 lbs., each, $12.75; **S-519** 30 in. hopper capacity about 80 lbs., each, $19.50. **S-520** Super Heavy 36 in., hopper capacity over 125 lbs., each, $39.50.

INOCULATORS

S-439 NITRAGIN. The Original Legume Inoculation Culture A. For alfalfa, sweet clover, burr clover and hubam clover. 1 bu. size, 55c.

S-440 Culture B. For clovers, medium and mammoth red, alsike, crimson and white, 1 bu. size, 55c.

S-441 Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Medium size will inoculate up to 100 lbs. seed 50c.

S-442 Culture D. For Beans. 1 bu. size, 55c.

S-443 Culture E. For peanuts, cow peas, velvet beans and lima beans. 2 bu. size, 40c.

S-444 Culture L. For all Lespedeza, large size inoculates up to 100 lbs., 55c.

S-446 Culture S. For Soy Beans, all varieties. Small size inoculates up to 120 lbs. seed, 40c; 5 bushel size, 60c; 25 bushel size, $2.70.

S-437 Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 15c; three for 40c; each packet will treat up to 6 lbs. of seed.

S-438 NEW COMBINATION CULTURE "AB". For Alfalfa, Sweet Clover, Bur Clover, Hubam Clover and for Red, Medium Red, Mammoth, White Dutch, White. Wild White, Alsike, and Ladino Clovers. ONLY. 1 bu. size price each, 55c; 2 bu. size 95c.

SUDBURY SOIL TEST KITS

Made by the maker of professional field test kits. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. **S-809** The Sudbury Home Gardener's Soil Test Kit, complete with instructions. $2.98; postpaid, $3.20.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires **S-788** No. 2 and **S-789** No. 3 to make Nitrogen Tests. **S-790** No. 4 and **S-791** No. 5 for Phosphorus Tests and **S-792** No. 6 and **S-793** No. 7 to make Potash Tests, therefore when ordering, please order two numbers. **S-787** Lime 2 oz., $1.50; 6 oz., $2.70; both postpaid.

S-810 NEW CLUB MODEL KIT. An advanced amateur will find this larger kit valuable. It contains material for many accurate tests, $5.89; Postpaid $6.20.

S-808 HORTICULTURAL TEST KIT. It contains material sufficient to make 60 individual tests, together with complete instructions and table of plant needs. Sudbury Horticultural Soil Test Kit, $14.95.

We prepay fertilizer orders within 25 miles of N.Y. City where orders amount to $10.00 or over.
Errata—Prices on fertilizers in our catalogue are F.O.B. Chicago.
Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 95c; 10 lbs., $1.75; 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.50.

Regular Bone Meal. 2.47% nitrogen; 20% phosphoric acid. 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.50.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $9.00.

Cow Manure Dehydrated (Bovung). Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., $1.75; 50 lbs., $2.50; 100 lbs., $4.25; 500 lbs., $19.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.25; 500 lbs., $20.00.

Activo. (Formerly called Bacto) Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. Prices, 4 oz., 30c; No. 2 size, about 2 lbs., $1.00; No. 7 size, about 7 lbs., $2.25; size, about 50 lbs., $11.95. No. 100 size, $19.95.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 5 lbs., $1.50; 20 lbs., $3.50; 150 lbs., $20.00.

African Violet Soil. 1½ lb. plastic bag, soil sterilized and scientifically prepared for African Violets. 25c per bag. 35c postpaid. 4 lb., 50c per bag. 75c postpaid.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods — stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.70; 50 lbs., $2.65; 100 lbs., $5.00. (Prices subject to change.)

Agrico Garden Fertilizer. 5-10-5. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.70; 50 lbs., $2.40; 100 lbs., $4.55. (Prices subject to change.)

Agrico for Broadleaf Evergreens. Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., $1.15; 25 lbs., $2.20; 50 lbs., $3.00; 100 lbs., $5.80. (Prices subject to change.)

Aluminum Sulphate. For creating acid condition in the soil. Prices, 5 lbs., 60c; 10 lbs., 90c; 25 lbs., $1.60; 50 lbs., $2.70; 100 lbs., $4.85.

Ammonium Sulphate. 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $1.75; 50 lbs., $3.25; 100 lbs., $6.25.

Armours Special Ornamental Fertilizer. 10-6-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only. $6.50 each.

TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, $1.85; ½ bu. bag, 85c; 4 qt. bag, 45c.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.25.

Bulb Food. Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiola, etc. 5 lbs., 85c; 10 lbs., $1.35; 25 lbs., $3.00; 100 lbs., $9.50.

Clays Fertilizer. This valuable imported fertilizer is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. 7 lbs., ea., $1.50; 28 lbs., ea., $4.25; 56 lbs., $8.00; 112 lbs., $14.00 ea.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.75; 50 lbs., $5.50.

Farmanure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 50 lb. bag, $2.95 each; 5 to 19 bags of 50 lbs., $2.50 each.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 40c; 20 oz., $1.10; 2 lbs., $1.40; 10 lbs., $6.50. (Prices subject to change.)

Hyponex Plant Food. For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., $1.00; 10 lbs., $8.00.

Muriate of Potash. Should be used liberally, especially for all root crops. 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $3.00.

Miracle-Gro For All Garden Plants including roses, all flowers, all fruit trees and shade trees, all bushes, lawns, all vegetables, all berry plants, shrubs, vines and evergreens. Mix ONE tablespoon of Miracle-Gro to each gallon of clear water. 1½ lbs., $2.25; 5 lbs., $5.00. For best results, feed your plants once every 2 weeks.

Nitrate of Soda. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.50.

Peat Moss, Granulated. (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Large bale each, $5.95, 5 for $27.50. (Prices subject to change.)

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, $1.00; can of 1000 tablets, $3.50.

RA-PID-GRO contains no inert materials (sand, cocoanut shells or brick dust). Every bit is 100% plant food and when applied in solution it is immediately absorbed by the plant roots. No waiting for weeks to obtain growth or color. RA-PID-GRO gets results in an amazingly short time. Prices of RA-PID-GRO, 1 lb., $1.25; 2 lbs., $2.35; 5 lbs., $4.50.

Rose Food G & O. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 85c; 10 lbs., $1.35; 25 lbs., $3.00; 100 lbs., $9.50.

Triogen Rose Food. A rose food made from organic (long lasting) and inorganic (quickly available) materials, for healthy, green foliage, sturdy plants and roots and better flowers. 5 lbs., $1.00; 10 lbs., $1.60; 25 lbs., $3.00; 50 lbs., $6.00.

Sulphate of Potash. 5 lbs., 80c; 10 lbs., $1.35; 25 lbs., $3.00.

Super Phosphate. 18%-20% available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.00; 500 lbs., $13.00.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shubbery and trees. Complete directions in every bag. Prices, 5 lbs., 55c; 10 lbs., 95c; 25 lbs., $1.70; 50 lbs., $2.80; 100 lbs., $4.55.

We prepay fertilizer orders within 25 miles of New York City where orders amount to $10.00 or over. No C.O.D.s

Sprays and Dusts

Weights—By mail ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.; where prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.

S-101 ACME ALL ROUND SPRAY. For roses, shrubs, vegetables and flowers. Price per lb., $1.10; 4 lbs., $3.50. Add for postage.

S-106. ACME ROTENONE GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 50c; postpaid, 60c; 4 lb. pkg. $1.00. Postpaid $1.30.

S-102. ACME 6% CHLORDANE DUST. For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. Price per 1 lb. sifter top carton, each 60c; 4 lb. bag, $1.50. Add for postage.

S-144 45% CHLORDANE EMULSION CONCENTRATE. Kills grasshoppers, roaches, ants and many other insects. 1 oz., 39c; 4 oz., 75c; 8 oz., $1.25; 1 pt., $1.95; 1 qt., $3.25; 1 gal., $8.15.

S-328 TREE TANGLEFOOT. Perfect safeguard for trees against insects that climb the trunk. Price, 6 oz. ea. 90c postpaid $1.05; 1 lb. can, $1.50; postpaid $1.65; 5 lbs., $7.00; 25 lbs., $26.50.

S-132 BUG-GETA PELLETS. A bait to kill Slugs, Snails, cut-Worms and Grasshoppers. Easy to handle, lasts longer than other baits. 12 oz. 50c; 2 lb. $1.00. Postage extra.

S-223 ISOTOX GARDEN DUST. Contains Lindane. An excellent garden dust for the control of Aphids, Japanese Beetles, Thrips, Caterpillars, Ants, Black Widow Spiders, etc. 1 lb. 85c, 5 lbs., $3.25. Postage extra.

S-193 FERMATE. New fungicide gives improved control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz., 75c, postpaid, 90c; 3 lbs., $3.50, prepaid for $3.75; six pkgs. for $19.50.

S-339 ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton, 59c, postpaid, 75c.

S-177 DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 60c; postpaid 70c; 5 lbs., $2.50; 12½ lbs., $3.75; 100 lbs., $25.00.

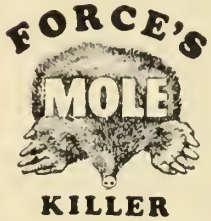
S-241 100% SOILFUME ETHYLENE DIBROMIDE. The newest and simplest method of fumigating soil against nematodes and wire-worms. "Just drop a capsule." 100 capsules $2.00—$2.25 postpaid; 200 capsules $3.25, $3.60 postpaid.

S-265 PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorbenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, $1.45; gallon, $3.25; 5 gallons, $10.40

S-298 SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., $1.15; gal., $2.75; 5 gals., $9.30; 15 gals., $22.00; 55-gal. Drum, $53.00.

S-169 DOGZOFF. In aerosol bomb type container. Contents about 8 ounces. Price each, $2.25, postpaid, $2.40.

S-168 DOGZOFF. Breaks dogs of bad habits. Spray, underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 75c; by mail, 85c.



S-195 THE ACCEPTED MOLE CONTROL FOR nurseries, greenhouses, gardens, cemeteries, parks and residential lawns. Small size, 35 pellets, 30c; postpaid, 40c. Regular size, 75 pellets, 60c; postpaid, 70c. Large size, 185 pellets, $1.00; postpaid $1.15. Commercial size, 875 pellets, $3.25.

STOMACH POISONS

S-112 ANTROL, Ready filled. Sets containing 4 filled feeders, 40c; extra jars each, 10c. 4-oz. syrup, 20c.

S-111 ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 20c; 6 for $1.00.

S-122 ARSENATE OF LEAD. (Dry). 1 lb. carton 70c; 4 lbs., $1.95; case of 48 lbs., $18.00.

S-307 SLUG SHOT. Hammond's Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 60c; 5-lb. tin, $1.95; 25-lb. bag, $6.00.

S-208 SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; 2½ lbs., 75c; 6 lbs., $1.50; 50 lbs., $10.00.

ROTENONE PREPARATIONS

S-232 RED ARROW Garden Spray. Kills by contact, both chewing and sucking insects. Oz., 35c; 4 oz., $1.00; pt., $2.85

S-292 ROTECIDE. Contact and stomach poison. Oz., 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00

CONTACT INSECTICIDES

S-126 BLACK LEAF 40. Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 1 oz. bottle, 36c; 5-oz. can, $1.05; makes 40 to 100 gallons; 1-lb. bottle, $2.42, makes 40 to 200 gallons; 2-lb. can, $4.15, makes 200 to 500 gallons; 5-lb. can, $7.40, makes 400 to 1000 gallons; 10-lb. can, $12.65, makes 840 to 2100 gallons.

S-161 DIMITE. Recommended for the control of mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. 1 oz., 69c ea., 85c postpaid. 2 oz. makes 12 gallons of spraying solution. 8 oz., $1.89, $2.10 postpaid. Qt. tin, $6.00.

S-188 DX PYRETHRUM. With Rotenone Liquid spray. 1 oz. bottle, 35c; 4 oz. bottle, $1.00.

S-191 EVERGREEN SPRAY. Non-poisonous when used as directed. Price, 1 oz., 45c postpaid; 6 oz., $1.30 postpaid; pint, $2.60 postpaid.

S-229 LEMON OIL. Destroys Aphid, Leaf Hopper. ½ pt., 50c; pt., 85c; qt., $1.50; gal., $4.20; 5 gals., $16.80.

S-245 NICO-FUME POWDER PRESSURE FUMIGATOR. Burned under pressure in the can. ½-lb. can, 65c: doz., $6.00; 1-lb. can, $1.00; doz., $9.00.

S-248 NICOTINE PYROX. For chewing and sucking insects. 20 oz. jar, 65c; 5 lbs., $2.50

S-325 TOBACCO DUST. Contains over ¾ nicotine superfine grind. 1 lb., 30c; 5 lbs., 80c; 10 lbs., $1.35; 25 lbs., $2.95. Add postage.

S-326 TOBACCO STEMS. 100 lbs., $4.50; 500 lbs., $18.00; 1,000 lbs., $30.00

CHLORDANE

S-143 CHLORDANE. (Water Base—2% Chlordane). Expecially for household uses. It is a non-straining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed. Pint, 69c postpaid 85c; quart, $1.29; postpaid $1.55.

FUNGICIDES

S-129 BORDEAUX MIXTURE (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungoid diseases. 1 lb. will make 5 gallons liquid. Lb., 50c; 4 lbs., $1.35; postpaid, $1.60

S-194 FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.25; 100 lbs., $6.00

S-109 FORMACIDE FORMALDEHYDE DUST. Controls "damping off" of seedlings. 1 lb., 85c; 5 lbs., $2.50; 25 lbs., $10.00; 50 lbs., $17.50

S-230 MAGNETIC SPRAY Wettable Sulphur. Can be used with other insecticides. 4-lbs., 75c; 24 lbs., $3.60

S-270 PHYGON XL. For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., 50c; postpaid 55c; 4½ oz., $1.00, postpaid $1.10; 1 lb., $2.70, postpaid $2.85

S-119 ARASAN. Reduces seed decay and damping-off. Destroys seed and soil-born organisms. Price ¾ oz., 25c; 8 oz., $1.00, postpaid, $1.15

S-301 SEMESAN. The universal seed disinfectant and plant stimulant. 2 oz., 60c; 12 oz., $2.85; 25 lbs., $72.65. Write for leaflets, stating for what purpose desired.

S-303 SPECIAL SEMESAN. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. 1½ lb., can, $3.75; 25 lbs., $52.05; 100 lbs., $197.60

S-302 SEMESAN BEL. For Potatoes. 2 oz. tin, 50c; 1 lb., $2.30; 4 lbs., $7.50; 40 lbs., $70.35

S-138 NEW IMPROVED CERESAN. 1 lb., $1.30; 4 lbs., $4.35; 100 lbs., $85.00

S-136 2% CERESAN. 1½ lbs., $1.75; 75 lbs., $60.10

S-137 CERESAN M. 14 oz., tin $1.25; 3 lb. tin, $3.55; 40 lbs., $35.85; 100 lbs., $85.00 Write for leaflet on Semesan and Ceresan.

S-313 SPERGON—5eed Protectant. Kills the soil fungi and bacteria which cause damping off. 1 oz., 25c, postpaid 35c; 5 oz., $1.00, postpaid, $1.10; 1 lb., $2.25, postpaid $2.35; 10 lbs., $20.00

S-314 SPERGON WETTABLE POWDER. 4 oz. tin, 50c; lb., $1.25, postpaid, $1.40

S-336 VOLCK. Summer oil spray for growing plants. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. 4 oz., 50c, postpaid; pint, 90c postpaid; 1 gal., $3.00; 5 gals., $9.95

S-330 TRI-O-GEN DUST. Three Way Rose Dust. Price 1 lb. canister, $1.19, postpaid, $1.35; 5 lbs., $5.00, postpaid, $5.40.

S-329 TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E, kit trial size, $1.50; A, small kit, makes 16 qts., $2.35; B, medium kit, makes 64 qts., $6.00; C, large kit, makes 32 gals. $9.00; D, estate kit, makes 128 gals., $30.00.

COMBINATIONS

S-273 NEW POMO GREEN. A combined insecticide and fungicide. Lb., $1.00; 4 lb., $3.00

S-231 RED ARROW DUST. Contains ¾% Rotenone. 2 lb. bag, 60c; 5 lbs., $1.35; Postpaid, $1.60

MISCELLANEOUS

S-151 CYANOGAS CALCIUM CYANIDE "G". Greenhouse fumigant. For aphis, white fly, thrips, soft scale, and mealy bug. 5 lbs., $3.85; 25 lbs., $12.90; 100 lbs., $31.00. (By express only).

S-150 CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. 4-oz. tin, 40c; 1 lb., $1.00; 5 lbs., $3.85; 25 lbs., $12.90; 100 lbs., $31.00. By express only.

S-167 CYANOGAS FOOT PUMP. Each, $15.00

DOG-SHOO. Keeps dogs and cats away. Qt., 85c; gal., $2.25

S-185 DUPONT ROSE DUST. 8 oz. Dust Gun, each 69c; postpaid, 80c; 1 lb. sifter top can $1.00; postpaid, $1.15.

S-180 DUPONT FLORAL DUST. Provides complete control of many insects and disease affecting flowers. Excellent for roses. Non-injurious. Use as dust or spray. 8 oz. guns, 79c; postpaid 90c; 1 lb. canister, $1.15; postpaid, $1.30; 3 lb. canister, $2.65; postpaid, $2.85.

S-181 DUPONT FRUIT TREE SPRAY. Recommended for control of many insects and fungus diseases affecting apples, peaches, cherries, pears, plums, apricots, quince, strawberries, currants, gooseberries. Specially formulated for spray application. 1 lb. canister, $1.15; postpaid, $1.30; 3 lb. bags, $2.75; postpaid, $3.00

S-187 DUPONT GARDEN DUST. A complete insecticide and fungicide. 8 oz. Dust Gun, 79c; postpaid, 89c; 1 lb. Sifter top can, $1.15; postpaid, $1.25; 3 lb., Canister, $2.65. Add postage.

S-317 STOP. A tree banding compound. Perfect safeguard for trees. Lb. jar, $1.05; 7½ lb. jar, $6.25

S-238 NAPTHALENE FLAKES. 1 lb., 45c; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $6.75

S-264 PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c; qt., 85c; gal., $2.25

S-310 SODIUM SELENATE, P 40, applied to soil is absorbed by the plant tissues, and destroys many insects that attack the plant. Never use on food crops. Excellent results are reported on gladiolus thrips and chrysanthemum pests outdoors. P-40, containing 2% sodium selenate. 3 lbs. (to treat 100 square feet or 100 feet of row) $2.75; 25 lbs., $11.50 by express, charges collect. For suitable sprayers, see index.

S-320 SULPHATE OF IRON. 5 lbs., 75c; 10 lbs., $1.25; 25 lbs., $2.00; 50 lbs., $3.25; 100 lbs., $5.95

S-134 VIOL-OGEN. Complete growing kit for African Violets including rooting and potting soil, special plant food and insecticide. Weight 5 lbs. Complete kit each, $2.95; postpaid $3.45.

D. D. T. for All Purposes

S-133 BUG-GO INSECT SPRAY-BOMB Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silver fish, ants, mosquitoes, wasps, and any crawling or flying pests. Contains DDT, Pyrethrum and Piperonyl Butoxide, three killing ingredients. (If one doesn't get them, the others will.) Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. Each, $1.30, postpaid, $1.40.

S-158 D. D. T. 50% WETTABLE DUST. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 1 lb., postpaid, 95c; 4 lbs., $2.50, postpaid for $2.85.

S-157 D. D. T. 25% LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., $1.50, prepaid $1.65; 1 gallon (makes 400 gallons of garden spray) $5.75, shipped by express, charges collect.

S-155 D. D. T. 5% DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control.
1 lb., 45c, postpaid, 60c; 4 lbs., $1.10, postpaid, $1.45; 25 lbs., $4.50, shipped by express charges collect.

S-418 ENDO WEED. Preparation of 2,4D in liquid form which will kill most lawn weeds when sprayed on according to directions. ½ pint can, 98c; postpaid, $1.10; qt. can, $2.69; postpaid, $2.85; gal. can, $6.50.

S-190 ENDO PEST. A triple acting dust for garden plants which kills insects of all types and protects against fungus diseases. An all-purpose material to protect gardens against both insects and disease with same treatment.

ENDO PEST Applicator gun complete, 85c, refill cartridge, each, 65c, 2 lb. package, $1.79.

ACME TOMATO DUST

S-107 Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases. A full pound sifter top package ready to use, each, 60c, postpaid, 75c. 4 lb. Bag $1.50. Postpaid, $1.80.

NEW RED SPIDER REMEDY

S-118 ARAMITE. Extensive tests by experimental stations show this to be the best control for these pests. 4 oz. $1.00, postpaid $1.15, 12 oz. $2.00, postpaid $2.20;, 4 lbs. $4.25, postpaid $4.65.

PRATT'S FRUIT TREE SPRAY

S-274 A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can 85c; 3 lb. bag, $1.50. Add postage.

COMBATS ALL PLANT PESTS

PROTEXALL, introduced by us as a one-shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment has been remarkably successful.

PROTEXALL CONTAINS: D. D. T., Rotenone, Fermate and Sulphur.
Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust cannot be used as a spray.

S-280 PROTEXALL SPRAY, 4 oz., $1.25, 1 lb., $3.75, prepaid; 5 lbs., $17.50, F.O.B. Chicago or New York.

S-279 PROTEXALL DUST, 1 lb., 95c, prepaid $1.10; 4 lbs., $3.50, prepaid $3.85; 50 lbs., $35.00, F.O.B. Chicago or New York.

KILLS RED SPIDER AND MITES

DIMITE

S-161 A quick, positive, long lasting contact control for mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. Contains 25% Di (P-Chlorophenyl) Methyl-Carbinol (DMC) in a water mixable solution. 2 oz., 69c each, postpaid, 85c; 8 oz., $1.89; qt. tin, $6.00.

S-123 AZOFUME 10, 1 lb. 80c; postpaid 95c; 4 lbs., $2.40, postpaid, $2.75; 50 lbs., $17.50.

Weed Killers

S-464 NEW IMPROVED WEEDONE. Contains 2, 4-D plus 2, 4, 5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. 8 oz. covers 1,500 sq. ft. Price each, $1.00, postpaid, $1.15; quart, $2.75, postpaid, $3.00; gallon, $6.95; 5 gallon drum, $25.00 each.

S-461 WEEDAR 64. A soluble salt of 2,4D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture.
1 gallon can, $6.95; 5 gal. can, $29.95; 30 gal. drum, $169.50, F.O.B. Chicago or New York City.

S-465 WEEDONE BRUSH KILLER 32. Butoxy Ethanol Ester Formulation 2, 4-D acid equivalent, 1⅛ lbs. per gallon. 2, 4, 5-T acid equivalent, ⅔ lbs. per gallon. Price per quart, $4.00, postpaid, $4.30; per gallon, $10.75; 5 gallons, $47.25.

S-466 WEEDONE CONCENTRATE, 48. A high concentration of 2,4D ethyl ester, effective on both easy and hard to kill weeds, and in general the most economical form for large operations.
1 gallon can, $6.40; 5 gallon can, $28.95; 30 gallon drums, $165.00, F.O.B. Chicago or New York.

S-406 BARWEED. This is a liquid form of 2,4D. 8 oz. bottle sufficient to treat average lawn. Price per bottle 50c postpaid.

S-428 HERBICIDE is poisonous, live stock should be kept off the treated ground until the dead leaves wither away. For ordinary weeds herbicide is diluted with 50 times its volume in water. One gallon will cover 2,500 square feet. Qt., $1.00; gal., $2.50; 5 gals., $10.00; 55 gals., $57.50. By express collect.

AMMATE WEED KILLER (DuPont)

S-404 (Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poision Sumac, Dandelions and Plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. bottle, $1.00. postpaid, $1.10; 6 lb., $2.70; 50 lb., drum, $13.75.

S-468 WEEDUST. For lawns where weeds are few, and can be spot treated, this powder form of 2,4D is effective. Supplied in applicator can from which it can be dusted where desired. Safe to use on bent lawns. Large can enough to kill 1,000 weeds, 75c; Postpaid, 90c.

SELTOX CRAB GRASS KILLER

S-455 It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness. Though a posison, it is mixed with water 100 times its bulk, and is easily handled with safety at all stages. Apply with watering can or sprayer. Complete directions on each bottle.

Quantity	Area Treated	Postpaid Price
8 oz.	1,000 sq. ft.	$1.10
16 oz.	2,000 sq. ft.	1.65
Quart	4,000 sq. ft.	2.70
Gallon	16,000 sq. ft.	$9.00 by exp. collect.

Plant Hormones

TRANSPLANTONE

S-327 One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. ½ oz., pkt., 25c; 3 oz. can, $1.00; 1 lb. can, $4.00

ROSETONE

S-291 A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of your bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. packet will treat three to four average size rose bushes. Price each, ½ oz. packet, 25c; 3 oz., $1.00. Full directions on package.

FRUITONE

S-197 Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2 5 oz. pkg., 25c; 2 oz. can, $1.00; makes 25 gals. of spray; 8 oz. can, $3.50.

S-196 FRUIT-HOLD. Prevents premature drop of fruit. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. ¾ oz., 50c; 2 oz., $1.00; 8 oz., $3.50

ROOTONE

S-287 A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Price, ¼ oz. pkg., 25c; 2 oz. jar enough to treat 3,000 cuttings, $1.00; 1 lb. jar will treat up to 30,000 cuttings, $5.00.

S-289 ROOTONE No. 10. For rooting of Azaleas, and other woody cuttings.
2 oz. jar, $2.00; 1 lb. can, $10.00

Write for leaflet.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

S-215 POWDER No. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Rose; and similar types.
Price, 1¾ oz. pkg., each, 50c; 1 lb., $3.00

S-216 POWDER No. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs.
Price 1¾ oz., 75c; 1 lb., $4.50

S-217 POWDER No. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings.
Price, 1 oz., $1.00; ½ lb., $4.50

S-218 COMBINATION PACKAGE OF No. 1-2-3. In one carton, each, 75c

IMPORTED RAFFIA

Add postage to your order if to go by mail.
The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

RAFFIA FIBRE FOR BASKETS, ETC.

	5-lb. Lots	Bunch	Lb. Per Lb.
S-1527 NATURAL, Best Grade, about 2 oz.	$0.25	$0.95	$0.90
S-1526 COLORED, about 1 oz.	.25	1.50	1.45

MOIST-SHUR PLANTRAY

S-1434

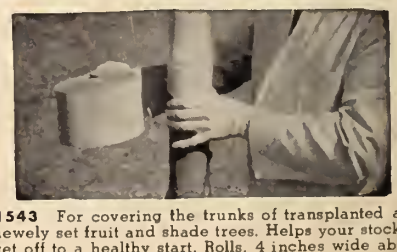
Green Rubber unbreakable saucers. Will protect pottery and furniture. Has an absorbent center pad which feeds water back to the roots of the plant. Underside of tray is raised to provide ventilation.

No. 1, takes up to 6 inch pot, price each, 45c; per dozen, $3.80. Postpaid $3.00.

No. 2, takes up to 8 inch pot, price each, 75c; per dozen, $7.80. Postpaid $8.20.

No. 3, takes up to 12 inch pot, price each, $1.45; per dozen, $15.00. Postpaid $15.60.

Saxclin Duplex Crinkled Waterproof Tree Wrap



S-1543 For covering the trunks of transplanted and newely set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide about 155 ft. to a roll. Weight about 2½ lbs.
Each, $1.00; postpaid, $1.20; doz., $10.20.

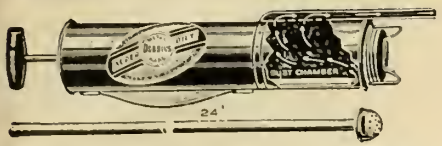
Dusters and Sprayers

Dusters

FEENEY MODEL C DUSTER

S-742 Splendid Hand Duster. Each, $1.50, postpaid, $1.65.

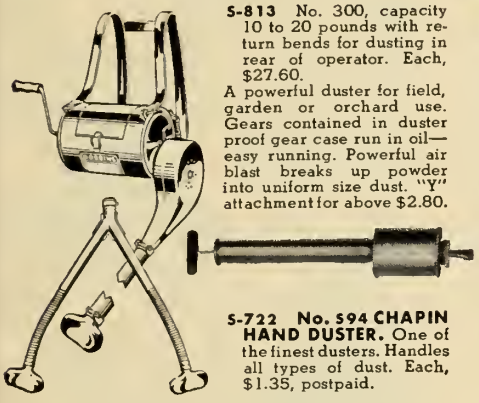
DOBBIN'S IMPROVED HAND DUSTER



S-731 Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.
No. 132 Duster ..... Each, $2.25. Postpaid, $2.40.

Write for price and leaflet on the large American Beauty Duster.

SUPERBUILT UNIVERSAL DUSTERS No. 300



S-813 No. 300, capacity 10 to 20 pounds with return bends for dusting in rear of operator. Each, $27.60.
A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. "Y" attachment for above $2.80.

S-722 No. 594 CHAPIN HAND DUSTER. One of the finest dusters. Handles all types of dust. Each, $1.35, postpaid.

Sprayers

S-743 DOBBIN'S DELUXE GARDEN SPRAYER. A new high quality 2 gallon sprayer especially suitable for suburban and city home use. Streamline oval tank with ultra modern comfortable carrying handle. Appeals particularly to women. Can be used for all insecticides, fungicides and weed control chemicals. Complete with high pressure hose, extension and automatic shut off. Each, $11.85.

DOBBIN'S BIGHEAD SPRAYER

S-734 5⅛" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.
No. 44 G Galvanized tank. Each, $13.45.

S-737 Stainless steel each, $23.20.

CHAPIN MODEL 120

S-718 All purpose Sprayer. A light handy 2 gal. sprayer for home gardens made of galvanized steel with brass pump. Each $7.95; postpaid $8.65.

JIM DANDY CART SPRAYER

S-775 The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of ⅜ inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each $37.00.

SMITH'S SPECIAL YORKTOWN SPRAYER

S-814 A durable, low-priced sprayer, has a funnel top, made of heavy, galvanized steel as illustrated. 3½ gallon capacity. Price, $9.45.

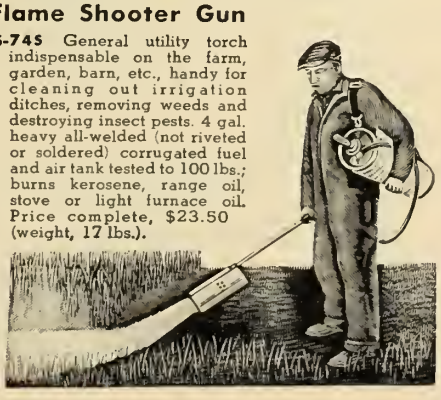
CHAMPION KNAPSACK SPRAYER

S-717 This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4½ gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each $28.40; with brass tank, $31.80.

BURN WEEDS AND PESTS

Flame Shooter Gun

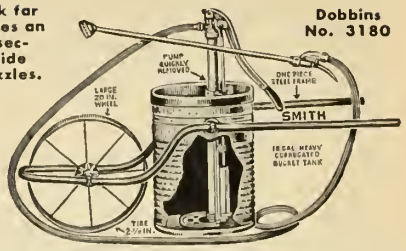
S-745 General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weeds and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, $23.50 (weight, 17 lbs.).



WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.

Dobbins No. 3180



No. 3180 For spray solutions, disinfectants or whitewash. Develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced.

S-740 Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. $45.60. Shipping weight, 63 lbs.

S-758 No. 3190 Same as above, but with pressure tank and gauge and iron wheel. Price, $60.00.

G. S. MASTER SPRAYER

S-747 This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, $6.95.

S-746 Master Model with adjustable nozzle and 45 degree brass extension, each, $8.95.

PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying.

S-784 GALVANIZED TANK. $1.90

S-786 TIN TANK. $1.60. Add 25c for postage.

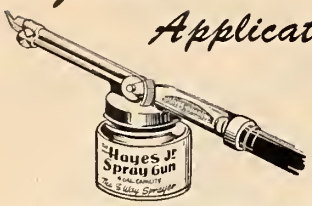
BLIZZARD COPPER CONTINUOUS SPRAYER

S-800 Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Quart size, $6.25, postpaid, $6.50

S-962 DOUBLE DUTY PLANT FOUNTAIN SPRINKLER. For sprinkling seedlings, plants and clothes. 8 oz. capacity, price ea., $1.50, postpaid, $1.65.

S-316 SPRAY-WAY MOTH-PROOFER. Bomb as illustrated is trouble free and inexpensive to use. Leaves no stain or crystallization on fabric. Contains paradichloro-benzene plus other active moth repellents. Price each, $1.39, postpaid, $1.50.

Garden Hose Applicators



HAYES No. 6 SPRAYER

S-756 All Purpose Sprayer. Makes 6 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, $9.95.

This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn.

S-703 With adjustable nozzle, $6.50.

S-121 ARNOLD WEED-O-SPRAY COMBINATION set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price $1.75.

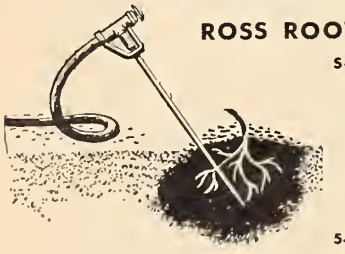
CARTRIDGES FOR GARDEN HOSE SPRAYERS

S-120 We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead.
Price, each, 45c; three for $1.25; doz., $4.80.

INSECT-O-GUN

S-773 This is a 3 gallon Lawn and Garden Insecticide Sprayer. The most compact, simple and easy to use sprayer available. Just put insecticide in the Pint Jar, attach to the Garden Hose, and the water pressure does all of the work. Eliminates pumping and carrying a heavy tank. Recommended for applying 2, 4-D for exterminating weeds. Price each, $5.95.

ROSS ROOT-FEEDER



S-794 Irrigates and feeds at the same time with 12 nutrient cartridges complete, $4.98. Extra cartridges, carton of 12, $1.00.
S-797 Acid Cartridge
S-798 Nutrient Cartridge

ROSS No. 10 HAND SPRINKLER

S-953 Preferred by nursery men and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, $1.45; postpaid, $1.55.

Sprinklers

SWAN DOUBLE BRAID GREEN GARDEN HOSE No. 127

S-927 Full 5/8 inch. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene, equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, $11.75.

S-959 SWAN HOSE No. 1867 Swanite, single braid green plastic cover with standard 3/4 Maxivolume couplings. Does not kink, fade, crack or sun-check. Will stand highest pressure. Guaranteed for 10 years. 25ft. lengths, $5.75 each, 50 ft. lengths, $9.75 each, 75 ft. lengths, $13.95.

S-960 SWAN HOSE No. 2150. Swanseal, clear green plastic, 1/2 inch with standard 3/4 coupling. Guaranteed for 10 years. 25 ft. lengths $4.50 each, 50 ft. length $7.35 each, 75 ft. length $10.15 each.

S-971 SWAN SPRINKLE-SOAKER. A heavy, oval plastic hose with perforations, which sprinkles flowers and lawns, or soaks the soil gently. Will not rot or mildew, and will last many years. Green only, in 10 ft. lengths, coupled. Extra sections can be added where longer length is required. Each $3.95. Shipping weight 2 lbs. Postage extra.

RUBBER GARDEN HOSE

S-922 5/8 inch, single braid, coupled, 50 ft. length, price $7.95.

S-916 3/4 inch, double braid, coupled, 50 ft. length, price $13.50.

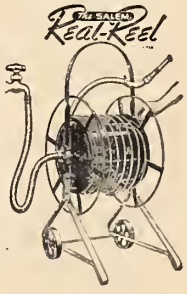
AVON MODEL No. 950 LAWN AND GARDEN SPRINKLER

S-901 Mounted on sled-like frame that moves with ease by pulling hose to change its position. Covers about 1,500 square feet or more, depending on water pressure, in a rectangular area 30 ft. on either side and 30 ft. in width. Price each, $14.95

S-941 METCO WAVE SPRINKLER. Model M, $12.95. Model J, $10.95.

HOSE REEL

S-963 The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Price each, $15.95.



LINCOLN PARK OR BUTTERFLY SPRINKLER

S-935 Cheapest and best sprinkler made. Each, $1.25; postpaid, $1.35.

JUSTRITE BRASS HOSE NOZZLE

S-936 For lawn and garden, can be changed from fine spray to stream. 3/4 inch each, $1.35; by mail $1.45.

ROSS SQUARE SPRAY HEADS

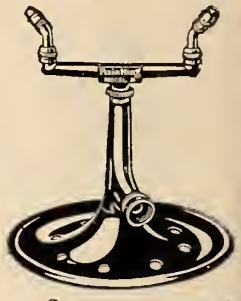
S-957 It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 in. pipe, capacity 3 1/4 gals. per minute. Has a slotted adjusting screw to control the area of the spray. 54A. Price, ea., 85c; per doz., $9.00. 64A. 1/2 or 1/4 circle heads. Price ea., 85c; doz., $9.00

SOIL SOAKER

S-968 Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe.
Price, No. 0, 12 ft., $1.80; No. 1, 18 ft., $2.40;
No. 2, 30 ft., $3.75; No. 3, 50 ft., $6.00.

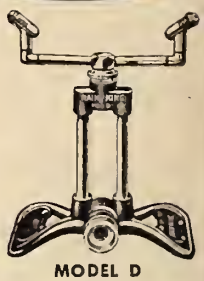
RAIN KING

SPRINKLER MODEL H



S-949 Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 1/4 in. tall; 9 1/4 in. from nozzle to nozzle.
Price ea., $7.65.
Shipping weight, 5 lbs.

MODEL K



MODEL D

S-945 Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, $8.50. Shipping weight, 5 lbs.

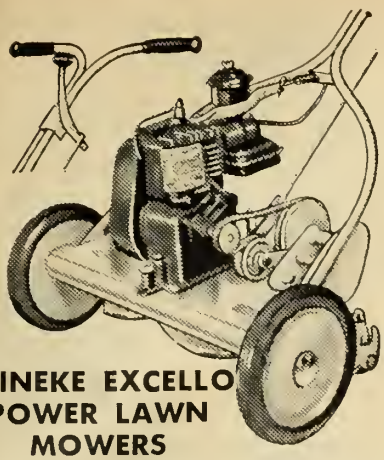
S-947 Can be adjusted to operate slow or fast. Will operate on any water pressure.
Price each $5.95.
Shipping weight, 4 lbs.

NATURAIN PERFORATED PIPE

S-942 Made of durable aluminum and stainless steel. Each section 5 feet long, weighs less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 foot lengths can be connected with a twist of the wrist. Primary unit with connection, price each, $2.95; Secondary Units, each, $2.75. With ordinary pressure five units can be used.

ELKAY NOZZLE

S-912
From a powerful jet to a softest mist at the tip of your finger. Precision built. Non-corrosive instant shut off. Retail each, $1.50.



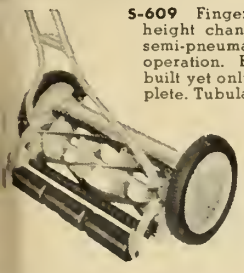
HEINEKE EXCELLO POWER LAWN MOWERS

Long-lasting, sturdy construction for maximum performance . . . for the average size lawns. Stepped up power with Briggs and Stratton 1.1 H.P. air cooled 4 cycle engine. Light weight, easy to operate, positive clutch action, semi-pneumatic tires, all steel construction.

S-616 Shipping weight, 115 lbs. 18", each $106.35

S-617 21", with 1.6 H.P. engine, shipping weight 127 lbs., price each $119.50.

CLEMSON LAWN MOWER E-17

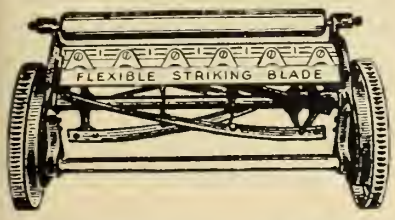


S-609 Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, $33.95.

GRASS CATCHER

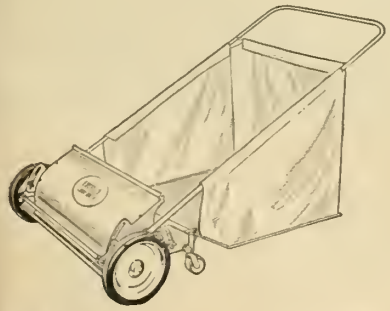
S-601 Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall strength. Adjustable to fit all hand mowers from 14 to 18 inch widths.

Price, each, $2.85; postpaid, $3.15



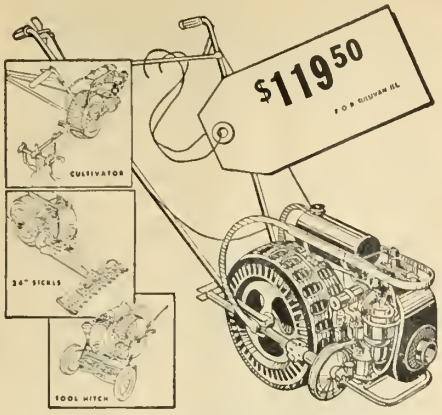
FLEXIBLE MOWER BLADES

S-615 No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid $2.15



EXCELLO 24-In. LAWN SWEEPER

S-631 Save time and energy, eliminate tedious raking. Let the quiet Excello lawn Sweep gently sweep leaves, grass clippings, small twigs, and paper from your lawn and driveway into a canvas basket with easy action. Width 24 in. All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self-adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. $43.50.



GEORGE TRACTOR MODEL L.G.

S-1150 Large 16 inch wheel with 6 inch wide tread pulls through everything. Ample power for all attachments. A ruggedly built, quality tractor.

2 H.P. Briggs & Stratton engine. Belt type, rope starter, weight 100 lbs. Price, each $119.50

Cultivator, $8.75.

Hitch for attaching any 16 inch or 18 inch hand mower, each, $4.50.

24 inch Sickle Bar mower, each $42.50.

25 inch Snow Plow Blade, each $11.25.

2 inch Take Off Pulley, 60c.

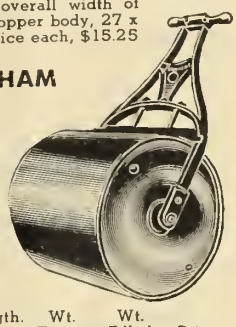
MASTERS HANDI-CART

S-507 Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the Cart Model 53, size of wheels 10 in. diameter. Extreme overall width of cart 26 1/16 in. Size hopper of body 27 x 21 x 12 in. Price each, $10.50

S-508 No. 20-D, new Deluxe model with heavy bubular handle and rubber grips. Size of wheels, 10 in. diameter. Extreme overall width of Cart, 26 3/16 in. Size of hopper body, 27 x 21 x 13 in. Price each, $15.25

GENUINE DUNHAM

Water Weight Rollers Lawn with Oilite Bearings



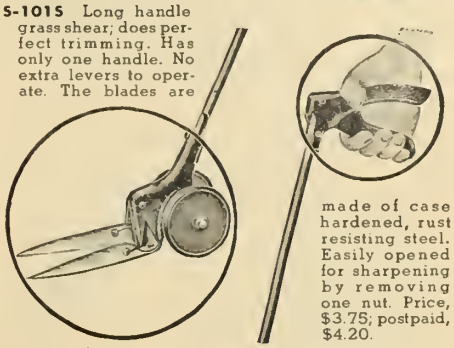
Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.

	No.	Diam. in.	Lgth. in.	Wt. Empty	Wt. Filled	Price
S-605	1	22 1/2	18	30#	100#	$12.25
S-611	2	14	24	68	175	18.00
S-612	4	18	24	82	265	21.75
S-613	7	24	24	110	420	27.50
S-614	*109	24	32	130	565	58.00

*With roller bearing.

DOO-KLIP GRASS SHEARS

S-1015 Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, $3.75; postpaid, $4.20.



S-1016 Short handle.

Price each $2.15; postpaid, $2.35

THE LAWNE-MULCHER

S-623 Is easily attached to standard hand mower. Returns the cuttings to the soil as a mulch. Grass is ground into a fine pulp, practically disappears. No grass catcher is required, no raking necessary. Lightweight, weighs less than 4 lbs. Made of aluminum, rust-proof. Price each, $6.95.

HANDY CRAB GRASS RAKE

S-1013

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass. Shear off the entire head of the plants and keep them from further seeding, $1.75

IMPORTED ENGLISH LIGHTWEIGHT SPADING FORK AND SPADE

The handiest tools for transplanting large roots shrubbery, plants, etc.

S-1130 Spading fork, $3.35 each.

S-1132 Spade, $3.35 each.

HOLE-IN-ONE BULB AND PLANT SETTER

S-1068 Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, 95c; postpaid, $1.05.

Long handle, each, 6.85.

DIBBER

S-1136 For transplanting vegetable plants, steel point (weight 10 oz.). Each $1.35; postpaid, $1.45.

Plastic - seeds visible as sown - go twice as far. Saves thinning - for peas to petunias.

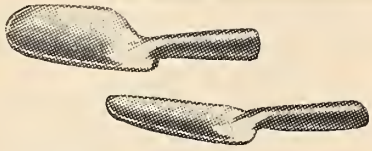
S-1627 Postpaid, 60c.

NO BLISTER TROWEL

S-1141 Scientifically designed to prevent blisters. Curved handle with velvet grip fits the hand and is kind to the palm. Metal is rustproof
Each, $1.25; postpaid, $1.40

BORDEN TROWEL

S-1072 Slender blade of polished aluminum with sure-grip wooden handle, light weight but durable. It serves as both weeder and planter. Each $1.00 postpaid.



ALUMINUM GARDEN TROWEL

S-1139 Made of all aluminum. One piece, heavy duty trowel, each 85c; postpaid 95c.
For transplanting, Aluminum, narrow, one piece. Each, 75c; postpaid, 85c.

STEEL GARDEN TROWEL

S-1077 Made of high quality carbon steel with hard wood handle. Price each, 45c; postpaid, 55c.

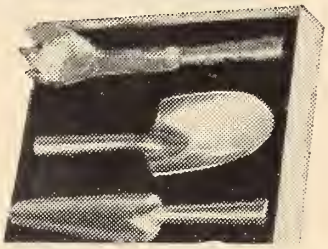
S-1076 All Steel Highest Quality. One piece steel shank. Price each, $1.75; postpaid, $1.85.

MELCO FEATHERLIGHT SET

POLISHED

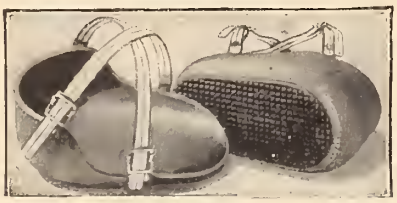
S-1093

Set of 3 for $3.95, postpaid $4.25.



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are rust-proof, and easily cleansed.

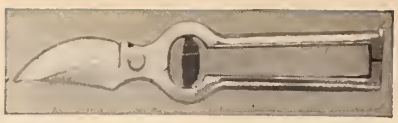
KNEE PADS



S-1117 All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, $2.25; postpaid, $2.40.

METAL LAWN SIGNS

S-1908 Those attractive signs have raised letters, baked enamel finish, holes for attaching to stakes. Size, 3¾x12 inches. Colors, green on white and black on white. Sign wordings—Please—Seeded—Keep Off The Grass. Signs with stakes, each, 50c; six for $2.70.



IMPORTED PRUNING SHEARS

S-1071 These are of finest quality Italian steel, fully polished, with ratchet and lock-nut for tightening. Each $2.75 postpaid.

HENCKEL IMPORTED PRUNING SHEARS HIGHEST QUALITY

S-1048 8½ inch full polished with replaceable coil spring. Each, $5.50; 9½ inch, each, $6.95; 8½ inch, with brass springs, each, $5.95.

CLYDE TREE PRUNERS

S-1144

6 ft., each.....$4.00	10 ft., each.....$5.00
8 ft., each..... 4.50	12 ft., each..... 5.50

GARDEN CLUB ROSE AND FLOWER HOLDER SHEAR

S-1028 Sturdily constructed of rustless, stainless cutlery steel. Each $2.25, postpaid $2.40

PORTER ONE-HAND PRUNER

S-1101 This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, $6.75; postpaid, $6.95.

BUCKEYE PRUNER

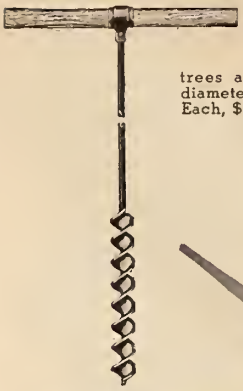
S-1009 A strong rugged pruner, handles reinforced by strap iron. 20 inch, each $3.50; postpaid, $3.75; 24 inch, $3.75; postpaid, $4.00.

S-1127 SNAP CUT PRUNER. Heavy duty, full polished, $2.75; postpaid, $2.90.

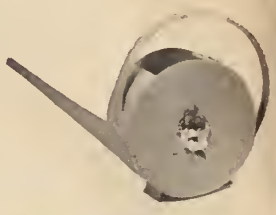
SUNBEAM ELECTRIC HEDGE TRIMMER

S-628 A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, $46.25. Extra cord 50 ft., $4.50. 100 ft., $8.25.

GREENLEE EARTH AUGER



S-1004 Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in.
Each, $5.75. Postpaid $6.10



DECORATIVE WATERING POT

S-904 Practical and handsome. Sturdily constructed of metal. Green enameled with floral design. 2 qt. size, price each, $2.25; postpaid, $2.50.

NEW IMPROVED GREEN THUMB GLOVES

S-1019 Soft, washable for garden and house use Small, medium and large. Specify size when ordering. Price per pair, 89c; postpaid, 95c

BLUETTES GARDEN GLOVES

S-1099 Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining. In small, Medium and Large sizes. Price per pair, $1.50, postpaid. Specify size when ordering.

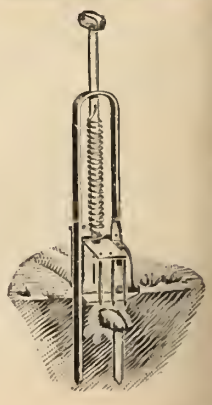
S-1042 Made of imported leather processed to make it pliable as kid and washable. Sizes for women, Small, Medium, Large, $1.65; for men, Medium and Large, $1.75; a pair, postpaid.

HAVAHART ANIMAL TRAPS

S-1045 No. 1—5x5x 18 in. For weasles, rats and chipmunks, each, $3.50.
No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each $4.50.

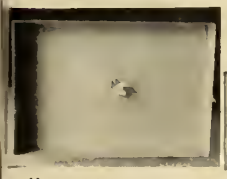
No. 200 REDDICK MOLE TRAP

S-1107 Self setting, Trigger sets automatically. Needle sharp tines. Sturdy construction. Each, $2.25; postpaid, $2.45.



Vaughan's Wick-fed METAL SEED STARTER

View of Wick-fed Starter with Plant Bonds
Size, 12x18 inches, 4 inches high



How wick is placed in bottom of starter

End view showing water pan below

COMPLETE, WITH FIBRE GLASS WICK, PLANT BANDS AND SPHAGNUM MOSS, For $2.95

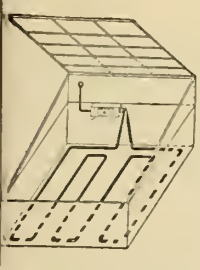
(Wt., 7 lbs.) Prepaid to 3rd zone (600 miles)
Add 35c for postage, if beyond 3rd zone

S-1628 This up-to-date metal seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many gardeners. This is full size "flat," made of 28 gauge steel, enameled green, which will last for years, and which you will be glad to have in your sun parlor or window.

It makes use of two of the most recent, scientific developments in seed starting: **1.** Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an over flow. **2.** The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.

GRO-QUICK Electric Seed Bed Heater



S-1626 Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price $6.75. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price $9.00; Jr. cable only price $2.25; Sr. cable only price $4.50.

VITAPANE

S-1624 A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, $10.75; ½ roll, $5.75; per yd., 85c.

SEED FLATS-WOOD

S-1409 Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats.

No. 3. —21½x14x2¾ in. per bdl. of 10..... $6.60
No. 3-A.—21½x14x3¾ in. per bdl. of 10..... 7.40
No. 4. —24 x15x2¾ in. per bdl. of 10..... 7.60
No. 4-A.—24 x15x3¾ in. per bdl. of 10..... 8.30

We do not break bundles

CEL-O-GLASS

S-1602 Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth. Flexible, easy to handle and install. 3 ft. wide, Per yard $1.85; 25 ft. roll $10.75; 100 ft. roll $37.50.

THERMOMETERS

Hotbed

S-1638 HOTBED. All glass, each, $2.25, postpaid.

S-1640 SELF-REGISTERING. With magnet to set it, 8-inch, each, $10.00; registers highest and lowest temperature.

THERMOMETERS shipped by parcel post at purchaser's risk only.

SEED SOWER

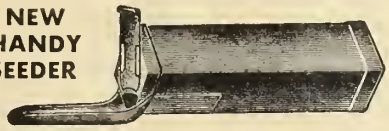
S-1604

CYCLONE. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Ea., $4.30. Postpaid, $4.60.

VIBRA SEEDER

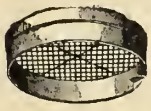
S-1603 A battery operated flower and vegetable seeder for commercial and home gardeners—fits palm of hand—will sow row or flat in fraction of time normally required. Operating cost one flashlight battery per season. A real time, labor and seed saver. Price each, $2.25, postpaid.

NEW HANDY SEEDER



S-1614 This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Save time. Price, ea., 85c, postpaid.

S-212 GRAFTING WAX. Per ¼ lb. bar, 35c; ½ lb. bar 50c; 1 lb. bar, 80c.



S-1911 SIEVES. For sifting soil. 18 inches in diameter, all size mesh from ⅛ to ½ inch. Each, $2.85.

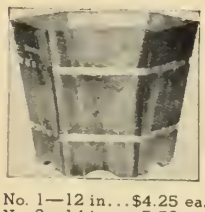
SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather.

Prices, ½ peck bag, 40c; postpaid 50c. ½ bushel bag, 90c, postpaid $1.15; 2 bushel bag, $1.95. Shipped by express, charges collect

BEAUTIFUL CALIFORNIA PLANTUBS MADE OF REDWOOD



S-1432 For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seeded california redwood. Bound with brass bands. Ventilation under tub. Grooved handles.

No. 1—12 in...$4.25 ea. No. 3—16 in...$7.00 ea.
No. 2—14 in... 5.50 ea. No. 4—18 in... 7.50 ea.
No. 5—20 in...$8.75 ea.

FLOWER TUBS "RICHMOND STYLE," GREEN

S-1433 Made of the finest lumber, securely bound with welded wire hoops. Painted green.

Top Dia.	Depth Inside	Price Each
8 in.	8 in.	$1.50
10 in.	9 in.	2.00
12 in.	11 in.	2.65
14 in.	13 in.	3.65
16 in.	15 in.	4.75

HOTKAPS

These plant protectors mean larger, earlier, premium crops

S-1618 Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

S-1619 HOTKAP SETTER. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime. Fibreboard Setter alone, 25c; Steel Hotkap Setter, $1.95.

Prices: 1,000 lots, $18.35; 5,000 lots, $18.20 per M. 10,000 lots, $18.05 per M; 25,000 lots, $17.90; 250 Trial Package including Fibre board Setter $5.90; 100 Home Package, including Fibreboard Setter, $3.15. Wt., 1,000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package, 5 albs.

Special Trial Garden Packages 25 Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter, 95c, postpaid $1.10; package of 100, including fibreboard setter, $3.15, postpaid, $3.40.

NEPONSET PAPER POTS (Red)

S-1427 Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 -in..	$0.25	$1.40	$ 9.90
2¼-in..	.30	1.50	10.20
2½-in..	.35	1.80	10.50
3 -in..	.40	2.00	11.10
3½-in..	.50	2.20	15.30
4 -in..	.60	2.95	17.40
5 -in..	.75	3.50	25.20
6 -in..	.85	3.95	29.70

Write in for Prices on Hotbed Mats.

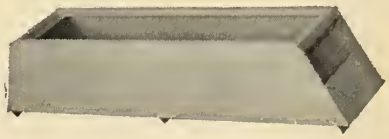
MOSS

S-1807 MOSS SPHAGNUM. Burlapped bales. Ea., $4.50. 1 lb., 85c, postpaid

Streamlined Flower and Plant Boxes

S-1436 All steel, leakproof, made of 26 ga. steel. Finished in high lustre baked green enamel, 8 inches wide, 5¼ inches deep.

15 inch ...each, $1.65 30 inch... each, $2.35
24 inch... each, $2.10 36 inch... each, $2.85



S-1502 SUBIRRIGATING WINDOW BOX. Attractive metal indoor window box designed to apply water at plant roots. Finished in pale green to blend handsomely with plant colors. Length 27 in., width 5¼ in., height 6 in. Sturdy steel construction. Each, $3.45. Shipped by express only.

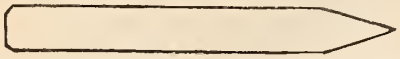
GLASS WOOL MULCH

S-1607 Has been proved superior for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, $1.60; three for $4.50; carton of 9, $12.75.

Rose - Los Angeles

S-1529 No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and stylus with orders for 100. No. 31, size, 3x½ inch, per doz., 70c; per 100, $4.25.

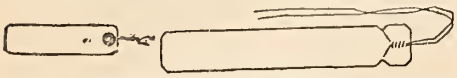
S-1508 LABELS—Wooden. For pots, painted.



	100	1000
4-inch	$0.70	$3.95
6-inch	.85	4.95

	100	1000
S-1510 12-inch	$2.10	$18.50

S-1541 TREE, LABELS WIRED. 3½ in. 100, 75c; 1000, $4.95



S-1515 LABELS. Zinc, Tree. Wired 3¾ inches long ¾ inch wide. Price, per doz., 35c; 100, $2.25.

PERMA LABEL ZINC
New Improved Type

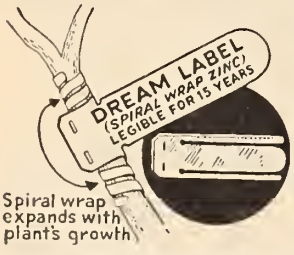
S-1512 Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft zinc, should last permanently. Price, per 100, $1.35; 500 for $6.00

S-1563 PERMATAG. Aluminum markers, rustproof, always legible. 24 labels, 25c, postpaid, 35c.

RAINBOW GARDEN LABEL

S-1528 A high grade weatherproof tempered label, will last indefinitely. Size of labels 1½x3x⅛" thick. Marking although indestructible by weather may easily be erased or rubbed off with soap and water so that the label can be reused. It can also be used as a support when not being used as a label. Easy to read because of white marking on dark background. The stake is made of high grade silver-bright galvanized steel. Label with 9 inch stake, per kit of 12 including white special weatherproof pencil for $1.30, postpaid $1.45. Markers with 18 inch stakes per kit of 24, $2.50, postpaid $2.70. Kit of 50 markers 18 inch stake, label 2x4x⅛ inch thick, price $5.00, per kit of 100, $9.00.

DREAM SPIRAL WRAP ZINC LABELS



S-1505 The one and only permanent zinc metal label defying the elements. Size 1¼" x 4". Acid etched name and plant history (especially Roses, Azaleas, Shrubs, Trees, etc.) legible for 15 yrs. No chance of girdling Wonderful for pots and perennial bods. Never rusts.

"Kit" size (average garden size) contains 24 Labels, with ample Etchant ink and applicator @ $1.00 ea.

"50 UNIT" size (for 50' x 100' premises) contains 50 Labels, Etchant and applicator @ $1.75 ea.

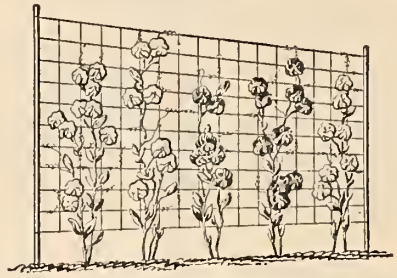
"100 UNIT" size contains 100 Labels but NO Etchant or applicator @ $2.75 ea.

"1000 UNIT" size for Estates, Orchards, Parks, and Cemeteries with large bottle of Etchant and applicator @ $24.00 ea.

Adjusto Plant Support

S-1501 Has a unique self-locking adjustable feature causing the loop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ⅞ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., $4.45; 4 ft., doz., $5.25; 5 ft., doz., $5.85; extra wire hoops, doz., $2.25.

TRAIN-ETTS



S-1437 New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 65c, each, postpaid, 75c. No. 2, 60x96 in., 85c, each, postpaid, 95c. No. 3, 60x180 in. $1.25, each, postpaid, $1.35.

TWISTEMS

S-1544 New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, price per package of 100, 25c; postpaid 30c. 16-in. size, price per pkg. of 100, 50c; postpaid, 60c. 250 ft. continuous roll, $1.00; postpaid, $1.15.

STAKES

S-1539 STAKES—HEAVY TONKIN. Natural Color. Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime.

Length	Diameter	F.O.B. N. Y. Doz.	F.O.B. N. Y. 100	F.O.B. Chicago Doz.	F.O.B. Chicago 100
4 ft.	½ to ⅝ inch	$1.75	$11.00	$2.00	$11.50
5 ft.	⅝ to ¾ inch	2.20	12.25	2.50	13.00
6 ft.	⅝ to ¾ inch	2.50	14.00	2.75	15.00
8 ft.	⅝ to ¾ inch	2.75	16.00	3.00	16.75

S-1561 STAKES—WOODEN. Painted Green.

Heavy Grade (for Dahlias).	Per doz.	Per 100
3 ft.	$2.38	$18.20
4 ft.	3.20	23.25
5 ft.	4.05	30.20
6 ft.	4.45	35.60

S-1562 Light Grade (for smaller plants).

	Doz.	100		Doz.	100
1½ ft.	$0.70	$ 4.15	3½ ft.	$1.95	$14.60
2 ft.	.95	6.45	4 ft.	2.20	15.40
2½ ft.	1.35	8.60	5 ft.	2.90	20.50
3 ft.	1.65	11.60			

S-1502 STAKES—BAMBOO. Painted Green.

	100	1000		100	1000
1½ ft.	$1.35	$6.50	3 ft.	$1.95	$12.25
2 ft.	1.50	8.50	3½ ft.	2.35	14.25
2½ ft.	1.75	9.95	4 ft.	2.50	15.95
Bamboo not painted, 6 ft.		3.25			27.50

STAKES—Galvanized Wire.

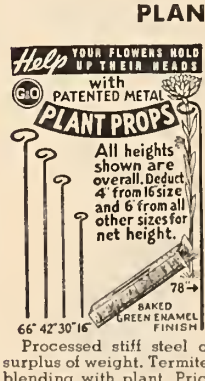
S-1556

No. 9 Wire	Doz.	100
1½ ft.	$0.50	$2.50
2 ft.	.60	2.75
2½ ft.	.70	3.25

S-1555

No. 8 Wire	Doz.	100
3½ ft.	$0.85	$4.75
6 ft.	1.35	7.25

PLANT PROPS



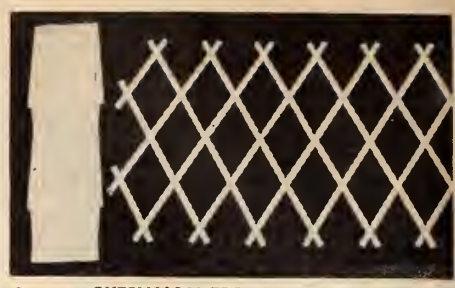
S-1522 16" size stuck into ground 2½" for tulips, Hyacinths, Crocuses and other dwarf plants. 30" size (4" into ground) for Zinnias, Marigolds, Roses, etc.

42" size (5" into ground) for "Snaps," Delphiniums, Asters, Larkspur, Madonna lillies, etc.

66" size (6" into ground) for Giant Delphiniums, "Glads," Mums, etc.

78" size (7" into ground) for Dahlias, Hollyhocks, Rose Trees. Similar use for vegetable gardens, young trees, etc.

Processed stiff steel of varying thickness to suit a surplus of weight. Termite and rot proof. Almost invisible blending with plant. Prices on all sizes (overall) by the dozen—16" @ 70c, 30" @ $1.60, 42" @ $1.90, 66" @ $3.10, 78" @ $4.30.



S-1506 EXTENSION TRELLIS OR FENCE, painted white. Stretches and contracts, it is inexpensive. Has many uses for trellis or fencing. Bends easily around corners, and folds when not in use. No. 22-8, can be expanded from 3 to 9 ft. long, from 15 to 29 in. high, weight, 3½ lbs., each $2.85. No. 30-10 can be expanded from 3 to 14 ft. long, from 15 to 39 in. high, weight 4½ lbs., each, $3.40. No. 44-12 can be expanded from 3 to 16½ ft. long, from 15 to 59 in. high, weight 8 lbs., each, $6.25.

Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish

S-1513 No. 106—Height, 72 in. Spread, 42 in. Price, each, $2.25.

S-1514 No. 108—Height, 96 in. Spread, 60 in. Price, each, $3.00.

Wayward Vine Guide and Support

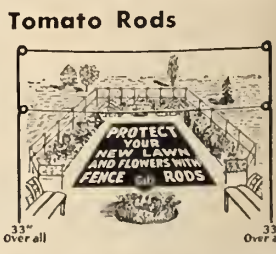
S-1547 For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing No Nails—No Holes. Price, box of 25, including cement, $1.00; postpaid, $1.15.

METAL WICKET SHIELD

S-1516 Green enameled sturdy steel shields that protect shrubs, lawns, garden borders, trees, etc. Inconspicuous because color blends with foliage. No prongs to tear. Twelve Wickets overlapped 2" makes a practical "Keep Off Please" fence about 12' long.

Price per dozen $2.45. Carton of six dozen, $13.50.

PROTECTION FENCE RODS
or Tomato Rods



S-1525 Stiff hardened ¼" dia. Steel Rods green enameled with two "eyes" to support two rows of clothes line, heavy twine, or wire. No prongs to damage anything. Handy and safe protection to lawns, trees, shrubs, and gardens against humans and pets. Also very popular for "cradling" peonies, tomatoes, and bushy plants.

33" (overall) size @ $2.10 per doz.
48" (overall) size @ $2.60 per doz.

SHRUB-GARD

S-1530 An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub-Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub-Gard has three prongs and covers approximately two and one half lineal feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, $3.75; postpaid, $4.10.

WREN HOUSE No. 16

S-1720 This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, $2.40; postpaid, $2.55.

S-1706 BLUE BIRD HOUSE No. 5 similar to the above, stained brown. $1.80; postpaid $1.95.

MARTIN HOUSE No. X215

S-1716 Twenty compartment unpainted, $21.90. House two stories high. Painted two coats in white and green, $27.00.

No. X315. Twenty-eight compartment house, three stories high, unpainted, $27.00. Painted two coats white and green, $31.30 Crating charge, $1.50 extra.

S-1722 Erection pole for Martin House, $18.00.

No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

S-1711 Size 24x12x12. Shipping weight 16 lbs. Price stained brown.....$ 9.30

S-1712 Price stained with glass back..... 12.30

S-1710 Erection Post bored for mounting rod.. 3.35

S-1723 No. 13G Feeding Station 7½ x 12 inches. Made of clear California Redwood, fitted with brass hardware and screws. Suet cakes can be set in the ends of this station. Shipping weight 5 lbs. Price each $2.95, postage extra.

S-1724 No. 14G Feeding Station 4 x 12 inches. Made of clear California Redwood, fitted with brass hardware and screws. Shipping weight 4 lbs. Price each $2.35. Postage extra.

No. FS 10. Garden Craft Bird Feeder

S-1703 This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, $2.70; postpaid, $2.90.

S-1709 Erection pole with arm $1.60. (Not Mailable.)

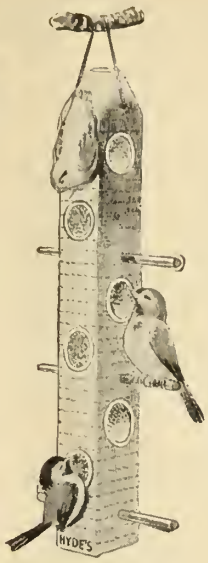
S-1717 ROBIN ROOST No. 4 Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each $2.70; Postpaid $2.85; 3 for $7.80. By express.

COMMUNITY DINER, Aerial Picnic Grounds for clinging and perching birds.

S-1715 No. CDD filled, each, $1.75; postpaid, $1.90.

S-1714 No. CDE filled with 24 extra tidbits each, $2.80, postpaid, $3.00.

S-1713 CT24, containing 24 extra tid-bits, each, $1.35; postpaid, $1.50.



IMPROVED ORNAMENTAL BIRD BATH

S-1701 The ornamental frame is in wrought iron finish, the bowl has an aluminum finish with non-skid deeper bowl. The bath stands about 30 inches above the ground and bowl is 16 inches in diameter. A child or animal can hardly be hurt by the tipping of this light bird bath. It takes less than a minute to assemble. This bird bath weighs only 9 lbs. Price each, $4.95. Postage extra.

RODENT ROCKETS

...THE EASY WAY!

S-286 Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc. 3 for 40c, postpaid 50c; dozen, $1.50, postpaid, $1.65.

FLYING DISK SCARE *Birds and Animals Away*

5-1904 Amazing protection for newly planted seeds, berries, tender seedlings, fruit trees, etc. Made of shining aluminum. FLYING DISKS spin and whirl madly in all directions—give blinding reflections and weird jingling, cracking sounds—to scare birds and animals away. Easily strung across area to be protected—or from branches of fruit trees and vines.

only **10 FLYING DISKS** with complete instructions **25c**

PEST EXTERMINATORS

S-116 ANT-X-TRAP. Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for $1.25

S-115 ANT-X JELLY BAIT. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, $1.00; industrial size, 5-lb. pail, $15.00.

S-165 DOG-CHECK. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, 60c; 8-oz. size, $1.00; 32-oz. size, $3.00; gallon, $11.50.

S-284 RAT-NOTS. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, $1.00.

S-237 MOUSE-NOTS. Impregnated seed; pregnated seed bait kills mice. Trial size package, 9 Nots, 25c; Estate size, 50 Nots, $1.00.

5-235 MOLE NOTS. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, $1.00; Jumbo size, 125 Nots, $2.00; Gardener size, 400 Nots $5.00; Giant size, 1,000 Nots $10.00.

S-285 ROACH-NOTS. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, 25c; Estate size, 50 Nots $1.00.

Rabbit Repellent

S-208 With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 50c, postpaid 65c; 5 lb. bag $1.75, postpaid $2.10.

Chaperone Powder Dog Repellent

S-140 A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, $1.00.

Chaperone Liquid Dog Repellent

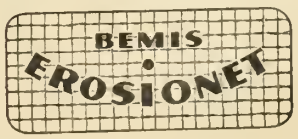
5-139 For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, 50c; 8 oz. can, $1.00.

KITTY CHAPERONE

S-142 Powder repellent for household use keeps cats away from furniture. curtains, drapes, clothing, etc. 1 oz. cone, 50c; 3 oz. cone, $1.00.

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



5-1605 Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 28c; 25 yd. lots, 26c per yd.; 100 yd. lots, 25c per yd.; rolls of 250 yds., 24c per yd.

Lawn Seed, Fancy Grasses and Field Seed

For other Lawn Seed Mixtures, See Page 4. All Prices Prepaid, Except where Specifically Noted.
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

VAUGHAN'S SPECIAL PURPOSE MIXTURES

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. **A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.**

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

VAUGHAN'S "COLUMBIAN"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., $1.25; 2 lbs., $2.50; 3 lbs., $3.70; 5 lbs., $6.10; 10 lbs., $12.00; 15 lbs., $17.90; 20 lbs., $23.75; 25 lbs., $29.50; 100 lbs., $114.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., $1.25; 2 lbs., $2.50; 3 lbs., $3.70; 5 lbs., $6.10; 10 lbs. $12.00; 15 lbs., $17.90; 20 lbs., $23.75; 25 lbs., $29.50; 100 lbs., $114.00.

VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 95c; 3 lbs., $2.80; 5 lbs., $4.60; 10 lbs., $9.00; 15 lbs., $13.40; 20 lbs., $17.75; 25 lbs., $22.00; 100 lbs., $84.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

BENT LAWNS FROM CERTIFIED SEED

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous root-stocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. ½ lb., $1.00; 1 lb., $1.75; 2 lbs., $3.50; 3 lbs., $5.20; 5 lbs., $8.50; 10 lbs., $16.75; 15 lbs., $24.75; 20 lbs., $32.60; 25 lbs., $40.00.

SEASIDE CREEPING BENT GRASS. ½ lb., 95c.; 1 lb., $1.70; 2 lbs., $3.40; 3 lbs., $5.05; 5 lbs., $8.25; 10 lbs., $16.25; 15 lbs., $24.00; 20 lbs., $31.60; 25 lbs., $38.75.

Fancy Kentucky Blue Grass

POA PRATENSIS

EXTRA HEAVY SUN-CURED SEED. 97% pure seed. Price, 1 lb., $1.30; 2 lbs., $2.60; 3 lbs. $3.85; 5 lbs., $6,35; 10 lbs., $12.50; 15 lbs.,, $18.65; 20 lbs., $24.75; 25 lbs., $30.75; 50 lbs., $60.00.

FANCY SEED, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, 1 lb., $1.10; 2 lbs., $2.20; 3 lbs., $3.25; 5 lbs., $5.35; 10 lbs., $10.50; 15 lbs., $15.65; 20 lbs., $20.75; 25 lbs., $25.75; 50 lbs., $50.00.

CANADA BLUE GRASS (Poa compressa)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., $1.10; 5 lbs., $5.35; 10 lbs., $10.00; 25 lbs., $25.75.

RED TOP GRASS (Agrostis alba)

EXTRA FANCY, recleaned solid seed. Price, 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.85; 10 lbs., $9.50; 15 lbs., $14.15; 25 lbs., $23.25; 50 lbs., $45.00.

WHITE CLOVER

EXTRA FANCY SEED. Price, ¼ lb., 45c; ½ lb., 80c; 1 lb., $1.50; 2 lbs., $3.00; 3 lbs., $4.45; 5 lbs., $7.25; 10 lbs., $14.25; 15 lbs., $21.00; 20 lbs., $27.40; 25 lbs., $33.25.

NEW ZEALAND WILD WHITE CLOVER

Price, ½ lb., $1.10; 1 lb., $2.00; 3 lbs., $5.85; 5 lbs., $9.50; 10 lbs., $18.00; 25 lbs., $43.75.

All Grasses and Field Seed Prices are Subject to Change Without Notice.

Fescues

CHEWING'S FESCUE. This grass is valuable on sandy soils and in shade. Chewing's Feseue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., $1.30; 2 lbs., $2.60; 3 lbs., $3.85; 5 lbs., $6.35; 10 lbs., $12.50; 15 lbs., $18.65; 20 lbs., $24.75; 25 lbs.: $30.75. 50 lbs., $52.00.

PENN STATE CHEWINGS FESCUE. An improved variety developed by Penn State College 1 lb., $1.40; 3 lbs., $4.15; 5 lbs., $6.85; 10 lbs., $13.50, 25 lbs., $33.25; 50 lbs., $57.00.

CREEPING RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., $1.30; 2 lbs., $2.60; 3 lbs., $3.85; 5 lbs., $6.35; 10 lbs., $12.50; 15 lbs., $18.65; 20 lbs., $24.75; 25 lbs., $30.75; 50 lbs., $52.00.

F-74 CREEPING RED FESCUE OR ILLAHEE FESCUE. Your choice both improved varieties of Creeping Red Fescues 1 lb., $1.40; 3 lbs., $4.15; 5 lbs., $6.85; 10 lbs. $13.50; 25 lbs., $33.25; 50 lbs., $57.00.

ALTA FESCUE. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lb., $1.00; 5 lbs., $4.85; 10 lbs., $9.50; 25 lbs., $23.25.

POA TRIVIALIS (Rough Blue Grass)

A grass for moist, shady spots. 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.40; 20 lbs., $21.75; 25 lbs., $27.00; 50 lbs., $52.50.

Miscellaneous

TIMOTHY (PHLEUM PRATENSE). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better) Price, 1 lb , 40c, 2 lbs , 80c; 3 lbs., $1.10; 5 lbs., $1.50—Postpaid By Freight collect, ½ bu., $6.00; 1 bu., (45 lbs.) $11.00 100 lbs., $24.00. Grain bags included

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE). A lawn grass where quick results are wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.15; 20 lbs., $6.70; 25 lbs., $8.25; 50 lbs., $16.00; 100 lbs., $30.00.

COMMON RYE GRASS. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price: 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 25 lbs., $5.75; 50 lbs., $10.00.

BIRD SEED

RAPE. Large—sweet (not bitter like the small black). 1 lb., 40c; 5 lbs., $1.70; 10 lbs , $3.15; 25 lbs., $6.50

SUNFLOWER. 1 lb., 45c; 5 lbs. $1.95; 10 lbs., $3.65; 25 lbs., $7.70.

CANARY SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15, 25 lbs., $6.95.

VAUGHAN'S CANARY MIXTURE. 1 lb., 40c; 5 lbs., $1.70; 10 lbs., $3.15; 25 lbs., $6.95.

FINCH SEED. 1 lb., 35c; 5 lbs., $1.40; 10 lbs., $2.60.

PARAKEET SEED. 1 lb., 40c; 5 lbs., $1.70; 10 lbs , $3.15; 25 lbs , $6.95

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (As recommended by the Illinois Audubon Society) 1 lb., 30c, 2 lbs., 50c; 5 lbs., $1.00, 10 lbs., $1.80, 25 lbs., $4 10; 100 lbs., $14 00.

All Prices Prepaid within 500 Miles of Chicago; Otherwise Collect.

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Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Company

NEW YORK 7,
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WESTERN SPRINGS, ILL.

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How to Order: Please order by number when the item you desire has a number in the catalogue. Give correct address, with Delivery Zone, if you are in a large city.

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Plant and Tree Orders: State quantity, size or age of each variety, with price for each item.

C. O. D. Orders: No bulbs, trees, plants or other perishable stock, are sent C. O. D.

Remittance: Please remit by money order or check. Do not send currency unless registered.

Mistakes: If we make any error in filling your order, write us at once returning your order if a paid order or your invoice if a charge order.

Charge Accounts. Customers desiring to open charge accounts are cordially invited to inform our credit department, which will be pleased to make the necessary arrangements.

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All items listed in this catalogue may be ordered, and immediate delivery usually obtained at the following retail outlets of Vaughan's Seed Company.

IN AND NEAR CHICAGO, ILL.

10 W. Randolph St., just west of State, Chicago 1, Ill.

601 W. Jackson Blvd., Jackson and Jefferson, one block from Union Depot, Chicago 6, Ill.

Vaughan's Garden Center, W. 47th Street and Willow Springs Road, Western Springs, Ill.

IN AND NEAR NEW YORK CITY

47 Barclay St., two blocks from the Woolworth building, New York City.

Vaughan's Garden Center, Fulton and Merrick Avenue, East Hempstead, Long Island, N. Y.

OUR GUARANTEE

All our stocks are sold under the following conditions:

We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil, and weather conditions. Therefore, in no case, shall Vaughan's Seed Co., be liable for more than the amount actually paid us for seeds, bulbs or plants.

Complaints on Plants and Nursery Stock must be made within three months after delivery.

"We recommend to our customers POPULAR GARDENING, America's gardening magazine, filled with How-To-Do-It gardening features and pictures *and* COUNTRY GENTLEMAN, the 'two-in-one magazine' jampacked with helpful features for Better Farming and Better Living."

Delivery

All flower seeds, vegetable seeds, lawn seeds and bulbs are prepaid by us.

All Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Michigan at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 79), are F. O. B. Chicago or New York and shipped at buyer's expense.

Purchases for $3.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 2S mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

☛ These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

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All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. State plainly date and manner of shipping you wish.

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Seeds, plants, and bulbs weighing up to 70 pounds can be shipped by parcel post to any post office.

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Local—Chicago or New York City	15c	1.2Sc
First and Second Zone within 150 miles of either	17c	2.4c
Third Zone within 150 to 300 miles	17c	3.Sc
Fourth Zone within 300 to 600 miles	19c	4.7Sc
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Everyone Can Grow

GLAMOROUS BEGONIAS

20 Imported Tubers $2.00 PREPAID
4 each of 5 Colors

THESE ARE THE COLORS:
Red, White, Pink, Orange, Yellow
All Tubers 1¼-1½ Inches in Diameter, Each Color Separately Bagged and Labeled

Tuberous rooted begonias, largest and loveliest of summer garden flowers, are rapidly becoming one of the most popular subjects with amateur gardeners.

Thousands of beginners tried them last summer and many have written to tell us of the success they had. They are not difficult to grow when given their simple requirements as to soil, light, temperature and water. On the contrary, they are among the easiest of all flowers for the amateur to start under protection and move outdoors to a selected place prepared for them.

They will thrive in a shady place, where you have difficulty growing other flowers. They not only beautify the garden, but their cut blooms are long-lasting and spectacular in bowl arrangements. Begonia corsages have begun to rival orchids in popularity. National magazines have published color pictures of their gorgeous blooms.

If the simple formula of their culture which we supply is followed, they will reward you more bountifully than any other flower you can grow, bearing throughout the summer flowers which increase in size and beauty, until frosts kill the plants in the fall. The tubers can then be lifted and kept over winter, as easy as gladiolus bulbs.

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Red, White, Pink, Salmon, Orange, Yellow

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	Each	Dozen	100
1½-2 inch	$0.25	$2.50	$18.00
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ALL PRICES PREPAID

SAVE 20% ON CASH ORDERS FOR PACKET FLOWER AND VEGETABLE SEEDS ONLY

Be Sure and Read Instructions below

$3.00 for 2.40

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601 W. Jackson Blvd., Chicago 6, Ill. — 47 Barclay St., New York 7, N. Y.

D

Date.....19.....

NAME Mr. / Mrs. / Miss ..... Write very plainly

Street, P. O. Box or Rural Delivery.....

Post Office..... State.....

(City Zone No.)

Express or Freight Office { If different from P. O. } ..... Forward Goods by.....

(Parcel Post, Express, Freight)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED $..... ☐ Money Order ☐ Draft or Check ☐ Cash

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

OUR GUARANTEE

All our stocks are sold under the following conditions: We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil and weather conditions. Therefore, in no case, shall Vaughan's Seed Co. be liable for more than the amount actually paid us for seeds, bulbs or plants.

This space for office use only.

	Ex. ☐	Flower ☐	Veg. 1 ☐	Grass ☐	Bulb ☐	Sup. ☐	Fert. ☐	Re-Check
Filled by								
Date								
Checked								
No. Pkgs.								

QUANTITY — DO NOT ABBREVIATE	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	PRICE DOLS.	PRICE CTS.

☞ IN MAKING YOUR ORDER, PLEASE GIVE THE SIZES AND PRICES TO AVOID DELAY AND ERRORS. CARRIED FOR'D $

If we cannot supply variety ordered, we will send one equal or better, unless forbidden.

S. R. 53

(Over)

This Offer Does Not Apply

To mail orders for any other items except those specified above.

The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them. If your list totals less than $3.00, combine it with a neighbor's order to obtain the quantity price. The combined order must be shipped in one parcel, to one address.

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WE SHARE with you our saving in handling expense on larger, earlier CASH ORDERS. If your purchase of packet seeds totals $3 or more you may select according to the following schedule:

Seeds worth $3 for $2.40
Seeds worth $4 for $3.20
Seeds worth $5 for $4.00
And so on upwards to any amount.

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This Offer is Definitely Limited to Cash Orders Only for:

Flower and vegetable seeds in packets, ounces and fractions of ounces.

Peas, beans and corn in half pound and 1 pound units, but not including other seeds by weight larger than ounces.

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Fifth Zone within 600 to 1000 miles	21c	6.75c
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Total Weight,		
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P. O. _____ State _____

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NEW YORK 7, N. Y.

BEFORE SEALING THIS FLAP BE SURE

That your remittance is enclosed and your name and address are plainly written

SPOTLIGHT RED CHARM MARGARET BEATON SPIC AND SPAN

VAUGHAN'S FAMOUS

Rainbow Garden of Gladioli

Fifty-six flowering size bulbs, 8 each of the 7 outstanding varieties. Each variety separately bagged and labeled. Prepaid 600 miles for **$2**

This Is Not a Mixture

It is a collection of 7 of the most beautiful gladioli, so far excelling ordinary varieties there is no comparison. Bulbs of each variety come separately bagged and labeled by name. You receive 7 bags of bulbs, can plant them in a studied arrangement, tell your admiring friends their correct names, and exhibit them by name in your local flower show. All bulbs are of flowering size, young and vigorous, the kind we use to grow exhibition flowers. Every bulb will flower if planted according to directions. They will also multiply and produce a crop of new bulbs for planting next year. Your purchase will be a long-term investment in gladiolus beauty.

We take pride in making our Rainbow Garden of gladioli the greatest value available to home gardeners.

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Half Portion $1
Prepaid 600 Miles
Four Each of 7 Varieties Listed

"Flowers Were Breath-Takingly Beautiful"

Mundelein, Ill., Feb. 25.
We bought gladioli and begonias from you last year and I must say they were breath-takingly beautiful. Mrs. P.N.

Denver, Col., March 19.
Two years ago when I was in Chicago I bought $2 worth of your glad bulbs and had the most gorgeous blooms that I have ever seen. I have been planting your seeds for years and have always had such great pleasure from the flowers. Thanks for many years of beauty. Mrs. L.C.O'S.

Waterloo, Ia., April 4.
The gladiolus bulbs I got from you last year were beautiful, the talk of the neighbors. I hope those I am ordering now will be as beautiful. Mrs. N.T.

Paris, Ill., April 23.
I ordered your Rainbow Gladioli last year, and am ordering again. I think they are wonderful and had compliments galore on the blooms. C.G.

Madison, S. D., April 15.
Won first at our local flower show with flowers from your Rainbow Collection of Gladioli. Mrs. R.P.

Princeton, Ill., April 4.
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Neenah, Wis., Feb. 14.
I had such beautiful glads from your Rainbow Collection last year, and saved the bulbs to plant this year. Have always had lovely flowers from your seeds and bulbs. Mrs. P.J.F.

Lovely Pink Lily

LILIUM SPECIOSUM RUBRUM

8-9 INCH, 3 FOR $1.00

This most beautiful of pink lilies is also the easiest to grow. It is seldom attacked by disease, and perfectly hardy, living for years in the coldest sections of the country when planted in a well drained place.

It grows slowly, with sturdy stems reaching a height of 4 feet, and blooms in late August and early September, producing clusters of flowers many of which reach 6 inches in diameter.

The frilly petals are white, but so flushed with deep pink that only the margins are clear white; and numerous dots of carmine decorate the petals. These are reflexed, or turned back, while long stamens and pistil project with decorative effect.

It requires no special type of soil, or culture, but grows vigorously in ordinary garden soil which is well drained. Planting instructions are sent with the bulbs.